



Trias Westland B.V.

Naaldwijk

Naaldwijk

NLW-GT-03

NLW-GT-03_16in Section

Working Survey Report NEXT

23 August 2020

Well Seeker PRO

Operator Trias Westland B.V.
Field Naaldwijk
Facility Naaldwijk
Well NLW-GT-03
Wellbore NLW-GT-03

Local co-ord ref Well Centered
TVD Reference RKB
North Reference GRID
Survey Calc Method Minimum Curvature

Well: NLW-GT-03

Local North 0.00 m **Local East** 0.00 m
Map Northing 445215.44 Meters **Map Easting** 76169.16 Meters
Latitude 51° 59' 26.499" N Longitude 4° 14' 23.164" E
Depth Datum / Rig RKB / VDD 370.2 VarioRig **Datum Elevation** 7.80 m
GL Elevation -0.90 m
Grid Convergence -0.906

Targets: NLW-GT-03_16in Section

Name	Geometry	TVD (m)	NS (m)	EW (m)	Grid NS	Grid EW
Target GT-03	CIRCLE	2307	-372.44	-261.16	444843	75908

Tgt Center 40.78 @ MD 2406.30, TVD 2285.90, NS -401.20, EW -280.90

MD m	Inc °	Azi °	TVD m	TVD SS m	NS m	EW m	VS m	DLS (/30 m)	BR (/30 m)	TR (/30 m)	TF °	CL m	Map Northing Meters	Map Easting Meters	Comments
897.50	0.50	152.40	897.50	889.70	-0.75	0.95	0.07	0.00	0.00	0.00	0.00	445214.69	76170.11		
922.30	0.70	173.00	922.30	914.50	-1.00	1.02	0.23	0.35	0.24	24.92	57.77	24.80	445214.44	76170.18	
935.30	0.60	185.00	935.30	927.50	-1.14	1.02	0.35	0.39	-0.23	27.69	132.20	13.00	445214.30	76170.18	
948.10	0.80	178.90	948.10	940.30	-1.30	1.02	0.48	0.50	0.47	-14.30	-23.50	12.80	445214.14	76170.18	
960.30	0.70	175.40	960.30	952.50	-1.46	1.03	0.60	0.27	-0.25	-8.61	-157.13	12.20	445213.98	76170.19	
973.70	0.80	176.20	973.69	965.89	-1.63	1.04	0.74	0.23	0.22	1.79	6.38	13.40	445213.81	76170.20	
986.40	0.70	187.70	986.39	978.59	-1.80	1.03	0.87	0.43	-0.24	27.17	129.26	12.70	445213.64	76170.19	
999.20	0.80	173.70	999.19	991.39	-1.97	1.03	1.01	0.49	0.23	-32.81	-68.50	12.80	445213.47	76170.19	
1011.80	0.80	169.90	1011.79	1003.99	-2.14	1.06	1.14	0.13	0.00	-9.05	-91.90	12.60	445213.30	76170.22	
1024.60	0.70	186.10	1024.59	1016.79	-2.30	1.07	1.27	0.55	-0.23	37.97	123.20	12.80	445213.14	76170.23	
1037.40	0.70	185.90	1037.39	1029.59	-2.46	1.05	1.41	0.01	0.00	-0.47	-90.10	12.80	445212.98	76170.21	
1050.30	0.90	189.20	1050.29	1042.49	-2.64	1.03	1.57	0.48	0.47	7.67	14.63	12.90	445212.80	76170.19	
1063.20	1.00	173.70	1063.19	1055.39	-2.85	1.02	1.74	0.64	0.23	-36.05	-76.61	12.90	445212.59	76170.18	
1076.50	1.00	174.10	1076.48	1068.68	-3.08	1.05	1.92	0.02	0.00	0.90	90.20	13.30	445212.36	76170.21	
1088.73	1.00	171.90	1088.71	1080.91	-3.29	1.07	2.07	0.09	0.00	-5.40	-91.10	12.23	445212.15	76170.23	
1101.60	0.90	178.20	1101.58	1093.78	-3.51	1.09	2.24	0.34	-0.23	14.69	136.87	12.87	445211.93	76170.25	
1114.30	1.00	161.80	1114.28	1106.48	-3.71	1.13	2.38	0.68	0.24	-38.74	-78.13	12.70	445211.73	76170.29	
1127.40	1.00	178.20	1127.38	1119.58	-3.93	1.17	2.54	0.65	0.00	37.56	98.20	13.10	445211.51	76170.33	
1140.00	1.10	171.20	1139.97	1132.17	-4.16	1.19	2.72	0.39	0.24	-16.67	-55.59	12.60	445211.28	76170.35	
1152.90	1.00	166.40	1152.87	1145.07	-4.39	1.24	2.88	0.31	-0.23	-11.16	-141.05	12.90	445211.05	76170.40	
1165.70	1.10	173.40	1165.67	1157.87	-4.63	1.28	3.05	0.38	0.23	16.41	55.59	12.80	445210.81	76170.44	
1178.50	1.30	162.70	1178.47	1170.67	-4.89	1.33	3.23	0.70	0.47	-25.08	-53.68	12.80	445210.55	76170.49	
1191.30	1.70	163.00	1191.26	1183.46	-5.21	1.43	3.43	0.94	0.94	0.70	1.27	12.80	445210.23	76170.59	
1204.20	1.90	164.30	1204.16	1196.36	-5.59	1.55	3.68	0.47	0.47	3.02	12.19	12.90	445209.85	76170.71	
1216.90	1.90	153.10	1216.85	1209.05	-5.99	1.70	3.91	0.88	0.00	-26.46	-95.60	12.70	445209.45	76170.86	
1229.60	1.90	155.60	1229.54	1221.74	-6.36	1.88	4.12	0.20	0.00	5.91	91.25	12.70	445209.08	76171.04	
1242.50	1.70	150.90	1242.44	1234.64	-6.73	2.06	4.31	0.58	-0.47	-10.93	-145.90	12.90	445208.71	76171.22	
1253.90	2.10	156.70	1253.83	1246.03	-7.07	2.23	4.49	1.17	1.05	15.26	28.59	11.40	445208.37	76171.39	
1268.10	1.80	153.20	1268.02	1260.22	-7.50	2.43	4.73	0.68	-0.63	-7.39	-160.09	14.20	445207.94	76171.59	
1280.40	2.00	160.40	1280.32	1272.52	-7.88	2.59	4.95	0.76	0.49	17.56	53.68	12.30	445207.56	76171.75	
1293.70	2.60	179.60	1293.60	1285.80	-8.40	2.67	5.33	2.18	1.35	43.31	61.95	13.30	445207.04	76171.83	
1306.60	3.70	200.00	1306.49	1298.69	-9.08	2.53	5.97	3.61	2.56	47.44	56.03	12.90	445206.36	76171.69	
1319.30	5.00	206.50	1319.15	1311.35	-9.96	2.14	6.91	3.28	3.07	15.35	24.03	12.70	445205.48	76171.30	
1322.20	6.10	211.90	1331.99	1324.19	-11.05	1.53	8.15	2.83	2.56	12.56	28.10	12.90	445204.39	76170.69	
1345.10	7.50	214.00	1344.80	1337.00	-12.33	0.70	9.68	3.31	3.26	4.88	11.12	12.90	445203.11	76169.86	
1357.80	8.90	215.40	1357.37	1349.57	-13.82	-0.34	11.49	3.34	3.31	3.31	8.81	12.70	445201.62	76168.82	
1370.40	10.00	215.70	1369.80	1362.00	-15.50	-1.54	13.56	2.62	2.62	0.71	2.71	12.60	445199.94	76167.62	
1383.40	11.10	217.20	1382.58	1374.78	-17.41	-2.96	15.94	2.62	2.54	3.46	14.76	13.00	445198.03	76166.20	
1396.30	12.60	218.30	1395.20	1387.40	-19.51	-4.58	18.58	3.53	3.49	2.56	9.10	12.90	445195.93	76164.58	
1409.10	13.80	219.30	1407.66	1399.86	-21.78	-6.41	21.50	2.86	2.81	2.34	11.26	12.80	445193.66	76162.75	
1434.80	16.40	219.70	1432.47	1424.67	-26.95	-10.67	28.17	3.04	3.04	0.47	2.49	25.70	445188.49	76158.49	
1447.40	17.60	220.50	1444.52	1436.72	-29.76	-13.04	31.84	2.91	2.86	1.90	11.41	12.60	445185.68	76156.12	
1460.40	19.00	220.00	1456.86	1449.06	-32.88	-15.68	35.91	3.25	3.23	-1.15	-6.64	13.00	445182.56	76153.48	
1473.20	20.70	219.00	1468.90	1461.10	-36.23	-18.44	40.24	4.06	3.98	-2.34	-11.77	12.80	445179.21	76150.72	
1484.90	22.20	218.20	1479.79	1471.99	-39.58	-21.11	44.51	3.92	3.85	-2.05	-11.41	11.70	445175.86	76148.05	
1498.90	23.90	215.90	1492.67	1484.87	-43.96	-24.41	49.99	4.12	3.64	-4.93	-28.97	14.00	445171.48	76144.75	
1511.60	25.20	215.20	1504.23	1496.43	-48.24	-27.49	55.27	3.10	3.07	-0.94	-7.47	12.70	445167.20	76141.67	
1524.50	26.00	215.50	1515.86	1508.06	-52.78	-30.73	60.84	1.86	1.86	0.00	0.00	12.90	445162.66	76138.43	
1537.30	26.30	215.90	1527.35	1519.55	-57.36	-34.02	66.48	0.82	0.70	0.94	30.62	12.80	445158.08	76135.14	
1550.20	26.40	215.90	1538.91	1531.11	-62.00	-37.38	72.21	0.23	0.23	0.00	0.00	12.90	445153.44	76131.78	
1563.00	26.90	216.20	1550.35	1542.55	-66.64	-40.75	77.95	1.21	1.17	0.70	15.20	12.80	445148.80	76128.41	
1575.80	27.20	216.00	1561.75	1553.95	-71.34	-44.18	83.77	0.73	0.70	-0.47	-16.96	12.80	445144.10	76124.98	
1593.50	27.60	216.20	1577.46	1569.66	-77.92	-48.98	91.91	0.70	0.68	0.34	13.05	17.70	445137.52	76120.18	
1601.50	27.70	216.90	1584.55	1576.75	-80.91	-51.19	95.62	1.27	0.38	2.63	7.30	8.00	445134.53	76117.97	
1614.30	27.80	216.30	1595.88	1588.08	-85.69	-54.75	101.58	0.70	0.23	-1.41	-70.57	12.80	445129.75	76114.41	
1627.20	27.80	216.10	1607.29	1599.49	-90.55	-58.30	107.60	0.22	0.00	-0.47	-90.09	12.90	445124.89	76110.86	
1652.60	27.80	216.10	1629.76	1621.96	-100.12	-65.28	119.44	0.00	0.00	0.00	25.40	12.80	445115.32	76103.88	
1665.50	27.90	216.20	1641.66	1633.36	-104.98	-68.84	125.47	0.26	0.23	0.23	25.08	12.90	445110.46	76100.32	
1675.40	27.60	215.20	1649.92	1642.12	-108.73	-71.53	130.08	1.68	-0.91	-3.03	-123.24	9.90	445106.71	76097.63	
1690.80	27.80	215.30	1663.56	1655.76	-114.57	-75.66	137.24	0.40	0.39	0.19	13.13	15.40	445100.87	76093.50	
1701.40	28.10	216.20	1672.92	1665.12	-118.60	-78.56	142.								

Well Seeker PRO 1.8.0 - Survey Report, generated:

1791.40	29.70	216.30	1751.78	1743.98	-153.75	-103.98	185.57	0.93	0.93	0.00	0.00	12.90	445061.69	76065.18	
1803.90	29.30	216.90	1762.66	1754.86	-158.69	-107.65	191.73	1.19	-0.96	1.44	143.81	12.50	445056.75	76061.51	
1816.90	29.10	218.00	1774.01	1766.21	-163.72	-111.51	198.06	1.32	-0.46	2.54	110.92	13.00	445051.72	76057.65	
1829.70	29.50	217.20	1785.17	1777.37	-168.69	-115.33	204.32	1.31	0.94	-1.88	-44.73	12.80	445046.75	76053.83	
1842.50	29.80	217.50	1796.29	1788.49	-173.72	-119.17	210.65	0.78	0.70	0.70	26.45	12.80	445041.72	76049.99	
1855.30	30.10	217.80	1807.38	1799.58	-178.78	-123.07	217.03	0.79	0.70	0.70	26.66	12.80	445036.66	76046.09	
1868.10	30.70	218.70	1818.42	1810.62	-183.87	-127.08	223.50	1.77	1.41	2.11	37.59	12.80	445031.57	76042.08	
1880.50	31.10	217.90	1829.06	1821.26	-188.86	-131.03	229.86	1.39	0.97	-1.94	-46.11	12.40	445026.58	76038.13	
1893.50	30.60	218.10	1840.22	1832.42	-194.12	-135.13	236.52	1.18	-1.15	0.46	168.49	13.00	445021.32	76034.03	
1906.40	30.20	217.20	1851.35	1843.55	-199.29	-139.12	243.04	1.41	-0.93	-2.09	-131.68	12.90	445016.15	76030.04	
1919.40	30.20	217.20	1862.59	1854.79	-204.49	-143.08	249.58	0.00	0.00	0.00	0.00	13.00	445010.95	76026.08	
1931.90	29.20	215.90	1873.44	1865.64	-209.47	-146.76	255.77	2.85	-2.40	-3.12	-147.78	12.50	445005.97	76022.40	
1945.00	28.90	215.20	1884.90	1877.10	-214.64	-150.46	262.13	1.04	-0.69	-1.60	-131.74	13.10	445000.80	76018.70	
1957.80	28.80	215.30	1896.11	1888.31	-219.69	-154.03	268.30	0.26	-0.23	0.23	154.29	12.80	444995.75	76015.13	
1970.60	28.40	214.70	1907.35	1899.55	-224.71	-157.54	274.43	1.15	-0.94	-1.41	-144.58	12.80	444990.73	76011.62	
1983.50	28.00	214.90	1918.71	1910.91	-229.71	-161.02	280.53	0.96	-0.93	0.47	166.79	12.90	444985.73	76008.14	
1996.20	28.30	215.30	1929.91	1922.11	-234.61	-164.47	286.52	0.84	0.71	0.94	32.35	12.70	444980.83	76004.69	
2009.10	28.70	214.50	1941.25	1933.45	-239.66	-167.99	292.67	1.29	0.93	-1.86	-44.01	12.90	444975.78	76001.17	
2021.90	28.10	213.90	1952.51	1944.71	-244.70	-171.41	298.76	1.56	-1.41	-1.41	-154.83	12.80	444970.74	75997.75	
2034.80	28.90	213.70	1963.85	1956.05	-249.81	-174.83	304.91	1.87	1.86	-0.47	-6.89	12.90	444965.63	75994.33	
2047.50	29.20	213.70	1974.95	1967.15	-254.94	-178.26	311.08	0.71	0.71	0.00	0.00	12.70	444960.50	75990.90	
2059.00	29.10	214.50	1984.99	1977.19	-259.58	-181.40	316.68	1.05	-0.26	2.09	104.74	11.50	444955.86	75987.76	
2073.40	29.00	213.70	1997.58	1989.78	-265.37	-185.32	323.67	0.84	-0.21	-1.67	-104.79	14.40	444950.07	75983.84	
2086.00	29.50	214.00	2008.57	2000.77	-270.48	-188.75	329.83	1.24	1.19	0.71	16.47	12.60	444944.96	75980.41	
2098.60	29.70	214.80	2019.53	2011.73	-275.62	-192.26	336.05	1.05	0.48	1.90	63.50	12.60	444939.82	75976.90	
2111.40	29.30	214.40	2030.67	2022.87	-280.81	-195.84	342.35	1.04	-0.94	-0.94	-153.96	12.80	444934.63	75973.32	
2124.40	28.30	213.50	2042.06	2034.26	-286.00	-199.34	348.61	2.52	-2.31	-2.08	-156.95	13.00	444929.44	75969.82	
2137.20	28.00	214.60	2053.35	2045.55	-291.01	-202.72	354.65	1.40	-0.70	2.58	120.52	12.80	444924.43	75966.44	
2150.10	28.30	213.70	2064.72	2056.92	-296.04	-206.14	360.73	1.21	0.70	-2.09	-55.15	12.90	444919.40	75963.02	
2162.90	28.10	213.70	2076.00	2068.20	-301.07	-209.49	366.78	0.47	-0.47	0.00	180.00	12.80	444914.37	75959.67	
2175.90	28.20	213.80	2087.46	2079.66	-306.17	-212.90	372.91	0.26	0.23	0.23	25.30	13.00	444909.27	75956.26	
2188.70	28.60	214.80	2098.72	2090.92	-311.20	-216.33	379.00	1.46	0.94	2.34	50.38	12.80	444904.24	75952.83	
2201.50	29.00	214.90	2109.94	2102.14	-316.26	-219.85	385.17	0.94	0.94	0.23	6.91	12.80	444899.18	75949.31	
2214.20	29.30	214.90	2121.03	2113.23	-321.34	-223.39	391.35	0.71	0.71	0.00	0.00	12.70	444894.10	75945.77	
2227.00	29.70	214.70	2132.17	2124.37	-326.51	-226.99	397.65	0.97	0.94	-0.47	-13.92	12.80	444888.93	75942.17	
2239.90	30.10	215.10	2143.36	2135.56	-331.79	-230.67	404.08	1.04	0.93	0.93	26.67	12.90	444883.65	75938.49	
2252.70	30.40	215.10	2154.41	2146.61	-337.06	-234.38	410.53	0.70	0.70	0.00	0.00	12.80	444878.38	75934.78	
2265.60	30.60	214.30	2165.53	2157.73	-342.45	-238.11	417.08	1.05	0.47	-1.86	-64.12	12.90	444872.99	75931.05	
2278.40	30.60	215.00	2176.54	2168.74	-347.81	-241.81	423.60	0.84	0.00	1.64	90.30	12.80	444867.63	75927.35	
2298.30	30.90	216.10	2193.65	2185.85	-356.08	-247.73	433.77	0.96	0.45	1.66	62.40	19.90	444859.36	75921.43	
2316.40	31.10	216.20	2209.16	2201.36	-363.61	-253.22	443.09	0.34	0.33	0.17	14.48	18.10	444851.83	75915.94	
2339.30	31.10	216.00	2228.77	2220.97	-373.17	-260.19	454.92	0.14	0.00	-0.26	-90.09	22.90	444842.27	75908.97	
2354.00	31.40	216.90	2241.34	2233.54	-379.30	-264.72	462.54	1.13	0.61	1.84	57.66	14.70	444836.14	75904.44	
2368.00	31.40	216.40	2253.29	2245.49	-385.15	-269.08	469.83	0.56	0.00	-1.07	-90.21	14.00	444830.29	75900.08	
2380.60	31.40	216.20	2264.04	2256.24	-390.44	-272.97	476.40	0.25	0.00	-0.48	-90.09	12.60	444825.00	75896.19	
2393.50	31.70	216.40	2275.04	2267.24	-395.88	-276.96	483.14	0.74	0.70	0.47	19.32	12.90	444819.56	75892.20	
2406.30	31.10	216.20	2285.96	2278.16	-401.26	-280.91	489.81	1.43	-1.41	-0.47	-170.23	12.80	444814.18	75888.25	
2419.30	31.50	216.90	2297.07	2289.27	-406.68	-284.93	496.56	1.25	0.92	1.62	42.58	13.00	444808.76	75884.23	
2430.93	31.36	216.45	2306.99	2299.19	-411.54	-288.55	502.62						444803.90	75880.61	Target GT-03
2445.00	31.20	215.90	2319.02	2311.22	-417.45	-292.87	509.93	0.70	-0.35	-1.17	-120.40	25.70	444797.99	75876.29	
2457.50	30.90	216.30	2329.73	2321.93	-422.65	-296.66	516.38	0.87	-0.72	0.96	145.65	12.50	444792.79	75872.50	
2470.60	30.60	217.20	2340.98	2333.18	-428.02	-300.67	523.07	1.26	-0.69	2.06	123.49	13.10	444787.42	75868.49	
2483.10	30.50	216.80	2351.75	2343.95	-433.10	-304.50	529.42	0.54	-0.24	-0.96	-116.36	12.50	444782.34	75864.66	
2496.20	30.40	216.50	2363.04	2355.24	-438.42	-308.46	536.06	0.42	-0.23	-0.69	-123.46	13.10	444777.02	75860.70	
2508.80	30.00	216.70	2373.93	2366.13	-443.51	-312.24	542.40	0.98	-0.95	0.48	165.97	12.60	444771.93	75856.92	
2521.80	29.60	216.70	2385.21	2377.41	-448.69	-316.10	548.85	0.92	-0.92	0.00	180.00	13.00	444766.75	75853.06	
2530.80	29.70	216.70	2393.03	2385.23	-452.26	-318.76	553.31	0.33	0.33	0.00	0.00	9.00	444763.18	75850.40	
2550.00	29.70	216.70	2409.71	2401.91	-459.89	-324.44	562.81	0.00	0.00	0.00	0.00	19.20	444755.55	75844.72	Projection