Anglian

Anglian Oil Company Ltd.
Northern Lights, AA Pad, AA16, Slot 09, Run #4

Job No. AB-CD-12345678
Survey Date: 23 September 2017

True North Directional Services Inc.
Anticollision Report

19 November 2025
Minimum Distance Proximity Scan (Highside Reference)

Scan Range: 0.00ft to 5,371.72ft Measured Depth
Scan Radius is 1,200.00ft. Clearance Factor cutoff is Unlimited.

KellyDown - Version: 4.01.08.02

True North
Directional Services Inc.

Minimum Distance Proximity Scan (Highside Reference)
Reference Survey: AA Pad, AA16, Run #4 (and parent profiles)
Scan Range: 0.00ft to 5,371.72ft Measured Depth
Scan Radius is 1,200.00ft. Clearance Factor cutoff is Unlimited.

Comparison Site, Well, Profile	Profile Key No.	Minimum Distance (ft)	@ Measured Depth (ft)	Ellipse Separation (ft)	@ Measured Depth (ft)	Minimum Clearance Factor	@ Measured Depth (ft)
AA Pad							
AA01, Run #1	2	229.66	0.00	226.73	600.00	7.66	5,371.72
AA02, Gyro Survey Data	3	196.85	0.00	194.32	200.00	10.88	981.26
AA02, MWD Run #1	4	205.51	800.00	198.83	800.00	11.38	600.00
AA02, MWD Run #2	5	1,054.88	1,500.00	1,014.46	1,500.00	7.14	5,371.72
AA03, As Drilled Surveys	9	293.45	0.00	286.12	500.00	8.59	5,371.72
AA04, As Drilled Surveys	10	41.38	1,096.87	27.86	1,100.00	2.12	5,371.72
AA05, As Drilled Surveys	11	150.17	1,226.82	134.68	1,300.00	3.03	5,371.72
AA06, As Drilled Surveys	12	5.36	1,096.87	55%	1,100.00	0.45	1,100.00
AA07, As Drilled Surveys	13	44.68	4,993.75	6%	5,371.72	0.94	5,371.72
AA08, As Drilled Surveys	14	236.58	0.00	228.65	800.00	6.21	5,371.72
AA09, As Drilled Surveys	15	262.47	0.00	255.10	700.00	8.88	5,371.72
AA10, As Drilled Surveys	16	204.62	985.70	192.06	1,000.00	12.24	1,400.00
AA10, Sidetrack Surveys	17	969.66	1,687.06	909.76	1,800.00	5.15	5,371.72
AA11, As Drilled Surveys	18	53.20	1,775.00	29.36	1,775.00	1.24	5,371.72
AA12, As Drilled Surveys	19	264.51	0.00	253.81	800.00	7.33	5,371.72
AA13, SAGD Producer	20	174.63	1,050.00	161.38	1,050.00	4.05	5,371.72
AA14, SAGD Injector	21	123.45	866.34	113.28	900.00	4.16	5,371.72
AA15, As Drilled Surveys	22	89.31	987.46	76.65	1,000.00	3.11	5,371.72
BB Pad							
BB02, Leg #2 - Design #1	33	1,198.06	1,445.48	1,088.12	1,600.00	6.82	3,100.00
BB02, Leg #7 - Design #1	32	379.49	5,371.72	157.75	3,100.00	1.69	3,100.00
BB02, Leg #4 - Design #1	36	982.64	1,803.12	877.81	2,000.00	5.04	3,100.00
BB02, Leg #3 - Design #1	35	1,073.95	1,600.00	976.49	1,800.00	6.09	3,100.00
BB02, Leg #6 - Design #1	37	637.16	5,371.72	412.64	3,200.00	2.79	3,200.00
BB02, Leg #8 - Design #1	38	129.76	5,371.72	35%	3,400.00	0.65	3,400.00
BB02, Leg #5, Run #1	31	902.29	5,371.72	682.63	3,600.00	3.95	3,600.00
BB03, Design #1 - U-Zontal	99	749.89	1,617.75	617.26	1,700.00	3.03	5,371.72

Ellipse error terms are uncorrelated across survey tool tie-on points.
Ellipse separations were reported only if both profiles contained survey tool information.
Calculated ellipses incorporate combined structure and well surface errors where appropriate.
The summary shows the data line where the minimum clearance factor is located.
Distance between Ellispoids is the actual separation distance between ellipsoids.
Distance Between Centres is the straight line distance between ellipsoid centres.
Probability is set at 2 sigma.
Clearance Factor = Distance Between Profiles / (Distance Between Profiles - Ellipse Separation)

All station coordinates were calculated using the Minimum Curvature method.
All data is in feet (us survey) unless otherwise stated. Directions and coordinates are relative to Grid North.
Vertical depths are relative to RKB. Northings and Eastings are relative to Well AA16.

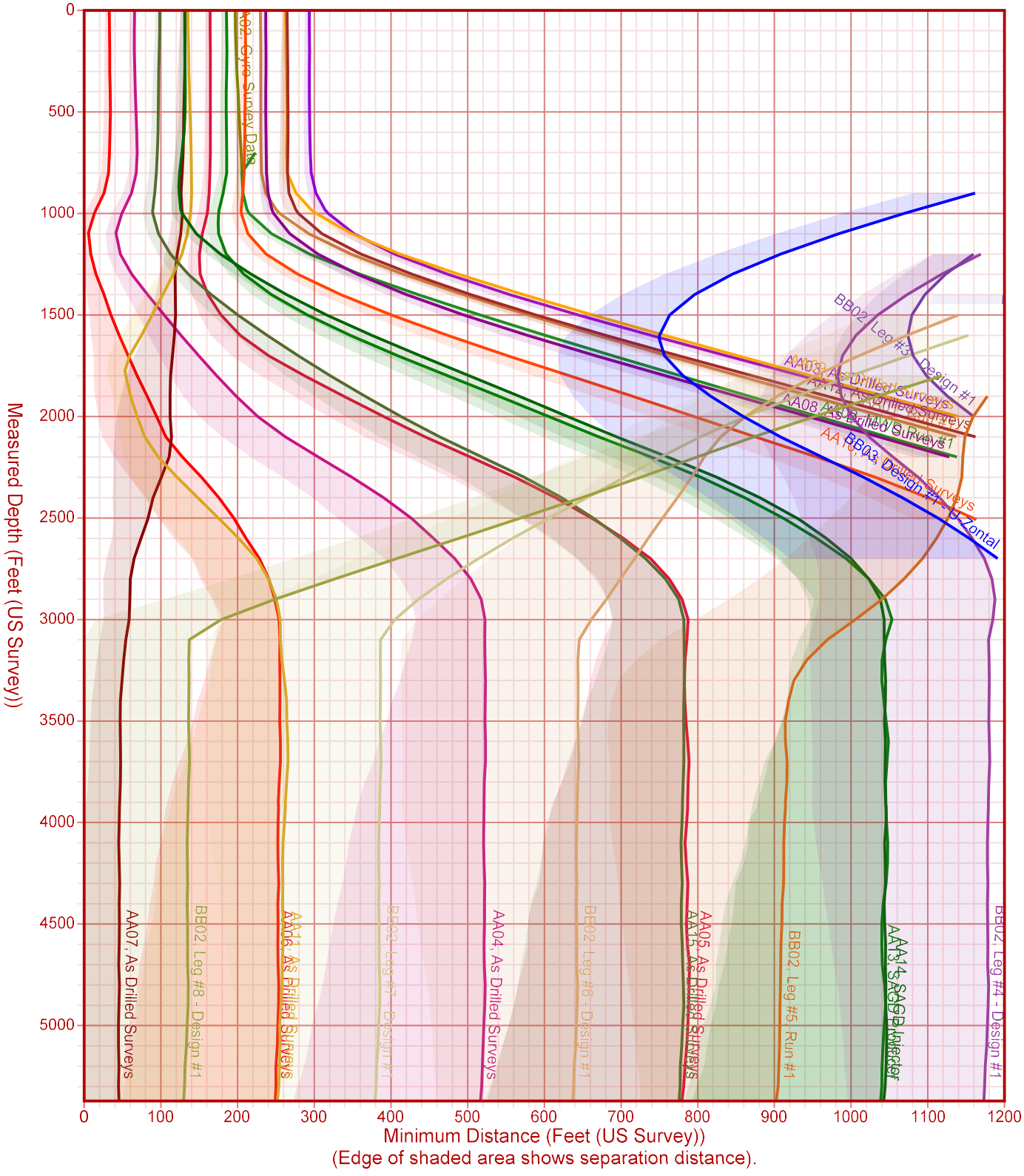
Coordinate system is Universal Transverse Mercator, Zone 12 North.
Central meridian is -111.00°. Grid convergence at surface is 1.18°.

Profile Sections

Survey: Run #1 from 0.00ft to 981.26ft
Survey: Run #2 from 981.26ft to 2,508.28ft
Survey: Run #3 from 2,508.28ft to 3,926.69ft
Survey: Run #4 from 3,926.69ft to 5,371.72ft

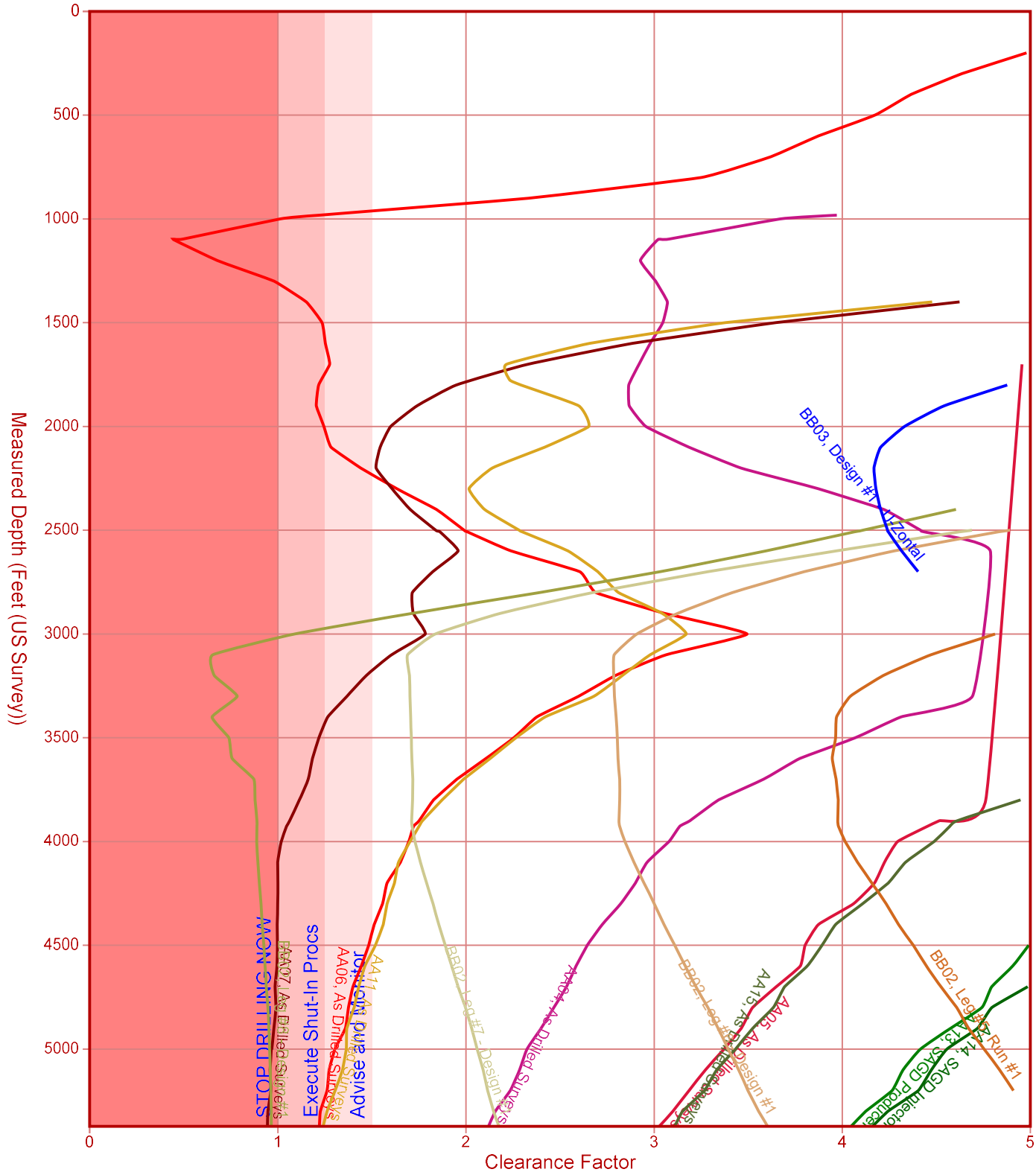
Copyright © True North Directional Services Inc. 2025 - All rights reserved

Minimum Distance Proximity Scan (Highside Reference)
Reference Survey: AA Pad, AA16, Run #4 (and parent profiles)
Scan Range: 0.00ft to 5,371.72ft Measured Depth
Scan Radius is 1,200.00ft. Clearance Factor cutoff is Unlimited.



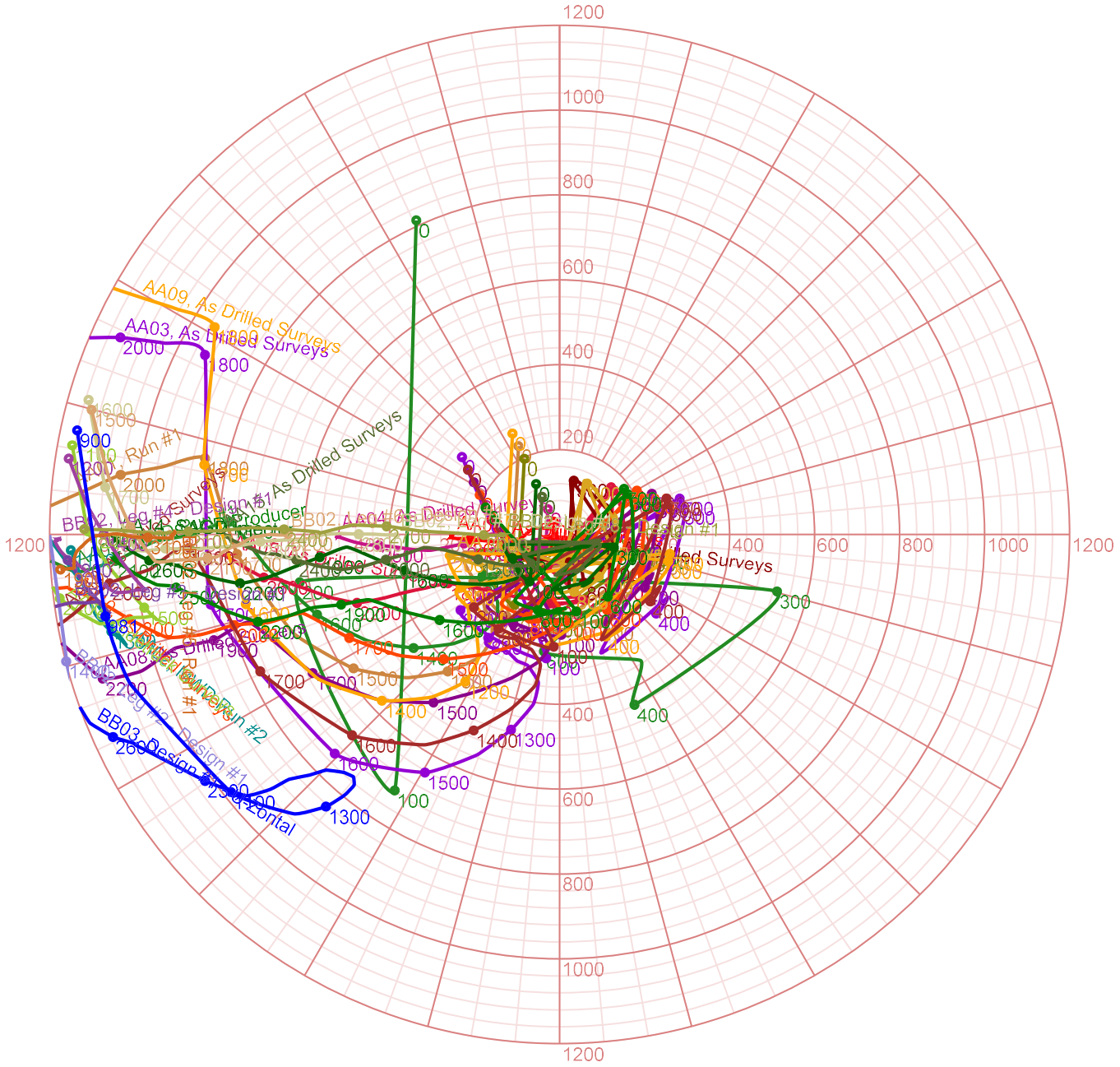
Copyright © True North Directional Services Inc. 2025 - All rights reserved

Minimum Distance Proximity Scan (Highside Reference)
Reference Survey: AA Pad, AA16, Run #4 (and parent profiles)
Scan Range: 0.00ft to 5,371.72ft Measured Depth
Scan Radius is 1,200.00ft. Clearance Factor cutoff is Unlimited.



Copyright © True North Directional Services Inc. 2025 - All rights reserved

Minimum Distance Proximity Scan (Highside Reference)
Reference Survey: AA Pad, AA16, Run #4 (and parent profiles)
Scan Range: 0.00ft to 5,371.72ft Measured Depth
Scan Radius is 1,200.00ft. Clearance Factor cutoff is Unlimited.



Copyright © True North Directional Services Inc. 2025 - All rights reserved

Minimum Distance Proximity Scan (Highside Reference)
Reference Survey: AA Pad, AA16, Run #4 (and parent profiles)
Scan Range: 0.00ft to 5,371.72ft Measured Depth
Scan Radius is 1,200.00ft. Clearance Factor cutoff is Unlimited.

Survey Tool Program for AA16, Run #4

From Measured Depth (ft)	From Vertical Depth (ft)	To Measured Depth (ft)	To Vertical Depth (ft)	Survey Tool Description
0.00	0.00	981.26	979.53	OWSG Gyrocompass Gyro (GYRO-NS)
981.26	979.53	2,508.28	1,561.63	MWD
2,508.28	1,561.63	3,926.69	1,595.73	MWD
3,926.69	1,595.73	5,371.72	1,597.69	MWD+IFR1+FDIR

Disclaimer Notice

True North Directional Services Inc. makes no warranty of any kind with respect to the subject matter included herein or the completeness or accuracy of this document.

True North Directional Services Inc. are not responsible for any actions (or lack thereof) taken as a result of relying on or in any way using information contained in this document and in no event shall be liable for any damages resulting from reliance on or use of this information.

Copyright © True North Directional Services Inc. 2025 - All rights reserved