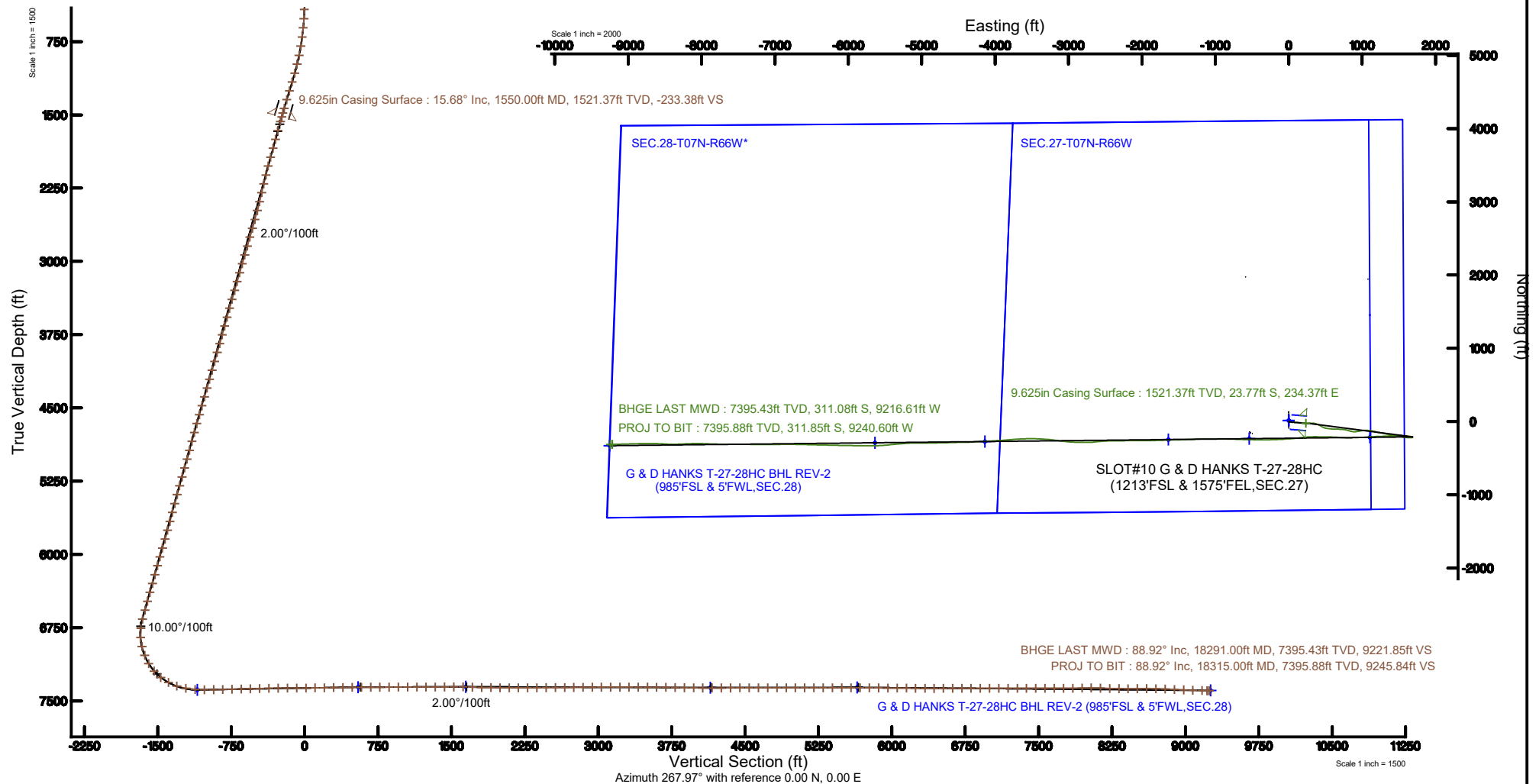


# BAYSWATER E & P LLC

Location: COLORADO Slot: SLOT#10 G & D HANKS T-27-28HC (1213°FSL & 1575°FEL, SEC.27)  
 Field: WELD COUNTY (NAD83/TRUE NORTH) Well: G & D HANKS T-27-28HC  
 Facility: SEC.27-T07N-R66W Wellbore: G & D HANKS T-27-28HC PWB



Plot reference wellpath is G & D HANKS T-27-28HC PWB (REV-E.0)	Grid System: NAD83 / Lambert Colorado SP, Northern Zone (501), US feet
True vertical depths are referenced to TRUE 38 (4876'GL + 25'KB @ 4901'RKB) (RKB)	North Reference: True north
Measured depths are referenced to TRUE 38 (4876'GL + 25'KB @ 4901'RKB) (RKB)	Scale: True distance
TRUE 38 (4876'GL + 25'KB @ 4901'RKB) (RKB) to Mean Sea Level: 4901 feet	Depths are in feet
Mean Sea Level to Ground level (At Slot: SLOT#10 G & D HANKS T-27-28HC (1213°FSL & 1575°FEL, SEC.27)): 0 feet	Created by: amuntime on 2018-06-20
Coordinates are in feet referenced to Slot	Database: WA DENVER



# Actual Wellpath Report

G & D HANKS T-27-28HC AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BAYSWATER E & P LLC	Slot	SLOT#10 G & D HANKS T-27-28HC (1213'FSL & 1575'FEL,SEC.27)
Area	COLORADO	Well	G & D HANKS T-27-28HC
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	G & D HANKS T-27-28HC AWP
Facility	SEC.27-T07N-R66W		

REPORT SETUP INFORMATION			
Projection System	NAD83 / Lambert Colorado SP, Northern Zone (501), US feet	Software System	WellArchitect® 5.1
North Reference	True	User	Amuntime
Scale	0.999970	Report Generated	6/20/2018 at 9:33:37 AM
Convergence at slot	0.48° East	Database/Source file	WA DENVER/G__D_HANKS_T-27-28HC_AWP.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-135.16	-0.28	3205704.01	1441167.38	40°32'31.373"N	104°45'35.474"W
Facility Reference Pt			3205703.16	1441302.53	40°32'32.708"N	104°45'35.471"W
Field Reference Pt			3174587.00	1430859.71	40°30'51.890"N	104°52'19.470"W

WELLPATH DATUM			
Calculation method	Minimum curvature	TRUE 38 (4876'GL + 25'KB @ 4901'RKB) (RKB) to Facility Vertical Datum	4901.00ft
Horizontal Reference Pt	Slot	TRUE 38 (4876'GL + 25'KB @ 4901'RKB) (RKB) to Mean Sea Level	4901.00ft
Vertical Reference Pt	TRUE 38 (4876'GL + 25'KB @ 4901'RKB) (RKB)	TRUE 38 (4876'GL + 25'KB @ 4901'RKB) (RKB) to Ground Level at Slot (SLOT#10 G & D HANKS T-27-28HC (1213'FSL & 1575'FEL,SEC.27))	4901.00ft
MD Reference Pt	TRUE 38 (4876'GL + 25'KB @ 4901'RKB) (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	268.07°

# Actual Wellpath Report

G & D HANKS T-27-28HC AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	BAYSWATER E & P LLC	Slot	SLOT#10 G & D HANKS T-27-28HC (1213'FSL & 1575'FEL,SEC.27)
Area	COLORADO	Well	G & D HANKS T-27-28HC
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	G & D HANKS T-27-28HC AWB
Facility	SEC.27-T07N-R66W		

## WELLPATH DATA (197 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
0.00†	0.000	191.600	0.00	0.00	0.00	0.00	40°32'31.373"N	104°45'35.474"W	0.00	
25.00	0.000	191.600	25.00	0.00	0.00	0.00	40°32'31.373"N	104°45'35.474"W	0.00	
137.00	0.280	191.600	137.00	0.06	-0.27	-0.06	40°32'31.370"N	104°45'35.475"W	0.25	
232.00	0.420	210.230	232.00	0.30	-0.80	-0.28	40°32'31.365"N	104°45'35.478"W	0.19	
327.00	0.930	129.930	326.99	-0.09	-1.59	0.14	40°32'31.357"N	104°45'35.473"W	1.00	
421.00	2.290	105.370	420.95	-2.45	-2.58	2.53	40°32'31.347"N	104°45'35.442"W	1.59	
516.00	3.830	100.230	515.82	-7.36	-3.65	7.49	40°32'31.337"N	104°45'35.377"W	1.64	
610.00	5.580	98.300	609.50	-14.93	-4.86	15.10	40°32'31.325"N	104°45'35.279"W	1.87	
705.00	7.600	97.600	703.86	-25.67	-6.36	25.90	40°32'31.310"N	104°45'35.139"W	2.13	
799.00	9.550	95.930	796.81	-39.53	-7.99	39.82	40°32'31.294"N	104°45'34.959"W	2.09	
894.00	11.670	94.530	890.18	-56.88	-9.56	57.24	40°32'31.278"N	104°45'34.733"W	2.25	
988.00	13.560	93.080	981.91	-77.31	-10.91	77.72	40°32'31.265"N	104°45'34.468"W	2.04	
1083.00	15.370	93.210	1073.89	-100.94	-12.21	101.41	40°32'31.252"N	104°45'34.161"W	1.91	
1177.00	17.520	95.950	1164.04	-127.37	-14.37	127.93	40°32'31.231"N	104°45'33.817"W	2.43	
1272.00	17.490	96.020	1254.64	-155.67	-17.35	156.34	40°32'31.201"N	104°45'33.449"W	0.04	
1366.00	16.620	94.950	1344.51	-183.01	-19.99	183.79	40°32'31.175"N	104°45'33.094"W	0.98	
1460.00	15.940	94.400	1434.74	-209.18	-22.14	210.05	40°32'31.154"N	104°45'32.754"W	0.74	
1508.00	15.610	93.750	1480.93	-222.16	-23.07	223.06	40°32'31.145"N	104°45'32.585"W	0.78	
1600.00	15.770	92.810	1569.50	-246.94	-24.49	247.90	40°32'31.131"N	104°45'32.263"W	0.33	
1694.00	15.660	85.620	1660.00	-272.34	-24.15	273.31	40°32'31.134"N	104°45'31.934"W	2.07	
1788.00	15.620	85.750	1750.52	-297.66	-22.25	298.58	40°32'31.153"N	104°45'31.607"W	0.06	
1882.00	15.360	91.350	1841.11	-322.74	-21.60	323.65	40°32'31.159"N	104°45'31.282"W	1.61	
1977.00	15.610	101.200	1932.67	-347.75	-24.38	348.77	40°32'31.132"N	104°45'30.957"W	2.78	
2072.00	15.450	105.040	2024.21	-372.30	-30.15	373.53	40°32'31.075"N	104°45'30.636"W	1.10	
2167.00	15.280	114.250	2115.83	-395.64	-38.57	397.17	40°32'30.992"N	104°45'30.330"W	2.57	
2261.00	15.490	120.150	2206.46	-417.39	-49.97	419.32	40°32'30.879"N	104°45'30.043"W	1.68	
2355.00	15.650	120.420	2297.01	-438.74	-62.69	441.10	40°32'30.753"N	104°45'29.761"W	0.19	
2450.00	15.630	117.650	2388.50	-460.69	-75.12	463.49	40°32'30.630"N	104°45'29.471"W	0.79	
2545.00	15.740	109.350	2479.97	-483.83	-85.33	486.99	40°32'30.530"N	104°45'29.167"W	2.36	
2639.00	15.550	98.930	2570.51	-508.09	-91.51	511.47	40°32'30.469"N	104°45'28.850"W	2.99	

# Actual Wellpath Report

G & D HANKS T-27-28HC AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BAYSWATER E & P LLC	Slot	SLOT#10 G & D HANKS T-27-28HC (1213'FSL & 1575'FEL,SEC.27)
Area	COLORADO	Well	G & D HANKS T-27-28HC
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	G & D HANKS T-27-28HC AWB
Facility	SEC.27-T07N-R66W		

WELLPATH DATA (197 stations)										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
2734.00	16.220	96.410	2661.88	-533.73	-94.97	537.23	40°32'30.434"N	104°45'28.516"W	1.01	
2828.00	16.060	96.620	2752.18	-559.57	-97.93	563.20	40°32'30.405"N	104°45'28.180"W	0.18	
2923.00	16.160	97.650	2843.45	-585.60	-101.21	589.35	40°32'30.373"N	104°45'27.841"W	0.32	
3017.00	16.200	93.210	2933.73	-611.56	-103.68	615.41	40°32'30.348"N	104°45'27.503"W	1.32	
3112.00	16.040	87.630	3025.00	-637.89	-103.88	641.76	40°32'30.346"N	104°45'27.162"W	1.64	
3207.00	15.840	90.740	3116.34	-663.96	-103.51	667.83	40°32'30.350"N	104°45'26.824"W	0.92	
3302.00	16.010	94.050	3207.70	-689.94	-104.60	693.87	40°32'30.339"N	104°45'26.487"W	0.97	
3396.00	16.130	92.560	3298.03	-715.85	-106.10	719.84	40°32'30.324"N	104°45'26.151"W	0.46	
3491.00	16.030	94.970	3389.31	-742.03	-107.82	746.09	40°32'30.307"N	104°45'25.811"W	0.71	
3586.00	16.060	100.890	3480.62	-767.87	-111.44	772.07	40°32'30.271"N	104°45'25.474"W	1.72	
3680.00	16.000	105.470	3570.97	-792.91	-117.35	797.32	40°32'30.213"N	104°45'25.147"W	1.35	
3775.00	16.020	106.040	3662.28	-817.87	-124.47	822.54	40°32'30.143"N	104°45'24.820"W	0.17	
3868.00	16.060	103.840	3751.66	-842.46	-131.09	847.36	40°32'30.077"N	104°45'24.499"W	0.66	
3963.00	16.160	101.320	3842.93	-867.97	-136.83	873.08	40°32'30.021"N	104°45'24.166"W	0.74	
4057.00	16.100	87.400	3933.27	-893.75	-138.81	898.94	40°32'30.001"N	104°45'23.831"W	4.11	
4152.00	16.050	81.320	4024.56	-919.96	-136.23	925.08	40°32'30.027"N	104°45'23.492"W	1.77	
4246.00	16.110	79.660	4114.88	-945.77	-131.93	950.76	40°32'30.069"N	104°45'23.160"W	0.49	
4341.00	15.970	77.890	4206.18	-971.67	-126.82	976.50	40°32'30.119"N	104°45'22.826"W	0.54	
4435.00	15.890	83.010	4296.58	-997.22	-122.54	1001.92	40°32'30.162"N	104°45'22.497"W	1.50	
4529.00	15.980	87.010	4386.97	-1022.97	-120.30	1027.62	40°32'30.184"N	104°45'22.164"W	1.17	
4624.00	16.080	91.300	4478.28	-1049.18	-119.91	1053.83	40°32'30.188"N	104°45'21.825"W	1.25	
4719.00	16.070	93.910	4569.56	-1075.40	-121.11	1080.10	40°32'30.176"N	104°45'21.484"W	0.76	
4814.00	15.880	97.410	4660.90	-1101.31	-123.68	1106.11	40°32'30.150"N	104°45'21.147"W	1.03	
4909.00	15.940	98.830	4752.26	-1126.95	-127.36	1131.89	40°32'30.114"N	104°45'20.814"W	0.41	
5003.00	15.640	101.860	4842.71	-1151.93	-131.95	1157.04	40°32'30.069"N	104°45'20.488"W	0.93	
5098.00	16.020	104.270	4934.11	-1176.96	-137.81	1182.28	40°32'30.011"N	104°45'20.161"W	0.80	
5192.00	15.960	104.720	5024.47	-1201.79	-144.29	1207.35	40°32'29.947"N	104°45'19.836"W	0.15	
5287.00	16.000	100.740	5115.81	-1227.08	-150.05	1232.84	40°32'29.890"N	104°45'19.506"W	1.15	
5382.00	16.030	97.980	5207.12	-1252.78	-154.31	1258.70	40°32'29.848"N	104°45'19.171"W	0.80	
5477.00	15.750	101.200	5298.49	-1278.25	-158.64	1284.34	40°32'29.805"N	104°45'18.839"W	0.97	

# Actual Wellpath Report

G & D HANKS T-27-28HC AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BAYSWATER E & P LLC	Slot	SLOT#10 G & D HANKS T-27-28HC (1213'FSL & 1575'FEL,SEC.27)
Area	COLORADO	Well	G & D HANKS T-27-28HC
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	G & D HANKS T-27-28HC AWP
Facility	SEC.27-T07N-R66W		

WELLPATH DATA (197 stations)										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
5570.00	15.850	102.330	5387.98	-1302.86	-163.80	1309.13	40°32'29.754"N	104°45'18.518"W	0.35	
5665.00	15.610	105.260	5479.42	-1327.64	-169.93	1334.13	40°32'29.693"N	104°45'18.194"W	0.87	
5760.00	15.950	104.340	5570.84	-1352.38	-176.53	1359.11	40°32'29.628"N	104°45'17.870"W	0.44	
5855.00	15.940	106.820	5662.19	-1377.26	-183.54	1384.24	40°32'29.559"N	104°45'17.545"W	0.72	
5949.00	15.850	102.710	5752.60	-1401.91	-190.10	1409.12	40°32'29.494"N	104°45'17.223"W	1.20	
6044.00	16.060	98.230	5843.94	-1427.39	-194.83	1434.78	40°32'29.447"N	104°45'16.890"W	1.31	
6138.00	15.870	97.250	5934.32	-1452.88	-198.32	1460.40	40°32'29.413"N	104°45'16.559"W	0.35	
6233.00	16.000	96.530	6025.67	-1478.65	-201.45	1486.29	40°32'29.382"N	104°45'16.223"W	0.25	
6327.00	16.010	97.290	6116.02	-1504.26	-204.56	1512.02	40°32'29.351"N	104°45'15.890"W	0.22	
6422.00	15.720	97.210	6207.40	-1529.90	-207.84	1537.78	40°32'29.319"N	104°45'15.556"W	0.31	
6516.00	15.890	99.250	6297.85	-1555.10	-211.51	1563.12	40°32'29.282"N	104°45'15.228"W	0.62	
6611.00	15.900	98.050	6389.22	-1580.67	-215.42	1588.84	40°32'29.244"N	104°45'14.895"W	0.35	
6705.00	15.930	94.780	6479.62	-1606.16	-218.30	1614.44	40°32'29.215"N	104°45'14.563"W	0.95	
6800.00	15.990	93.230	6570.96	-1632.14	-220.12	1640.50	40°32'29.197"N	104°45'14.226"W	0.45	
6895.00	14.860	88.960	6662.53	-1657.36	-220.64	1665.75	40°32'29.192"N	104°45'13.899"W	1.69	
6990.00	5.770	72.200	6755.92	-1674.17	-218.95	1682.51	40°32'29.209"N	104°45'13.682"W	9.98	
7085.00	3.260	267.180	6850.79	-1676.06	-217.62	1684.36	40°32'29.222"N	104°45'13.658"W	9.43	
7179.00	13.840	283.580	6943.63	-1662.52	-215.11	1670.72	40°32'29.247"N	104°45'13.834"W	11.44	
7274.00	21.510	286.210	7034.08	-1634.98	-207.57	1642.91	40°32'29.321"N	104°45'14.195"W	8.12	
7368.00	30.760	279.210	7118.39	-1594.92	-198.89	1602.54	40°32'29.407"N	104°45'14.717"W	10.36	
7463.00	41.550	271.380	7195.03	-1539.44	-194.22	1546.87	40°32'29.453"N	104°45'15.439"W	12.34	
7558.00	51.640	268.070	7260.23	-1470.55	-194.72	1477.96	40°32'29.448"N	104°45'16.331"W	10.92	
7652.00	61.590	267.430	7311.89	-1392.16	-197.82	1399.63	40°32'29.418"N	104°45'17.346"W	10.60	
7746.00	72.980	268.960	7348.13	-1305.60	-200.50	1313.11	40°32'29.391"N	104°45'18.466"W	12.21	
7841.00	79.890	268.300	7370.40	-1213.31	-202.72	1220.84	40°32'29.369"N	104°45'19.661"W	7.30	
7936.00	84.950	266.020	7382.93	-1119.19	-207.39	1126.83	40°32'29.323"N	104°45'20.879"W	5.83	
8030.00	90.490	266.530	7386.67	-1025.35	-213.49	1033.14	40°32'29.263"N	104°45'22.093"W	5.92	
8125.00	91.450	267.760	7385.06	-930.38	-218.22	938.27	40°32'29.216"N	104°45'23.321"W	1.64	
8219.00	91.380	268.020	7382.74	-836.41	-221.68	844.36	40°32'29.182"N	104°45'24.538"W	0.29	
8314.00	91.510	273.890	7380.34	-741.60	-220.10	749.45	40°32'29.198"N	104°45'25.767"W	6.18	

# Actual Wellpath Report

G & D HANKS T-27-28HC AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	BAYSWATER E & P LLC	Slot	SLOT#10 G & D HANKS T-27-28HC (1213'FSL & 1575'FEL,SEC.27)
Area	COLORADO	Well	G & D HANKS T-27-28HC
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	G & D HANKS T-27-28HC AWB
Facility	SEC.27-T07N-R66W		

## WELLPATH DATA (197 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
8408.00	91.540	273.400	7377.84	-648.08	-214.13	655.67	40°32'29.257"N	104°45'26.982"W	0.52	
8502.00	91.350	271.510	7375.47	-554.39	-210.10	561.79	40°32'29.297"N	104°45'28.198"W	2.02	
8597.00	91.510	270.430	7373.10	-459.54	-208.49	466.84	40°32'29.313"N	104°45'29.428"W	1.15	
8691.00	91.350	270.790	7370.75	-365.66	-207.49	372.87	40°32'29.322"N	104°45'30.645"W	0.42	
8786.00	90.060	267.140	7369.58	-270.70	-209.21	277.91	40°32'29.306"N	104°45'31.875"W	4.07	
8880.00	90.220	262.660	7369.35	-176.87	-217.56	184.31	40°32'29.223"N	104°45'33.087"W	4.77	
8975.00	90.180	264.390	7369.02	-82.17	-228.28	89.92	40°32'29.117"N	104°45'34.310"W	1.82	
9070.00	90.830	265.880	7368.18	12.70	-236.33	-4.73	40°32'29.038"N	104°45'35.536"W	1.71	
9164.00	90.830	266.950	7366.82	106.65	-242.21	-98.54	40°32'28.979"N	104°45'36.751"W	1.14	
9258.00	90.770	268.090	7365.51	200.64	-246.28	-192.44	40°32'28.939"N	104°45'37.967"W	1.21	
9353.00	90.830	269.220	7364.18	295.62	-248.51	-287.40	40°32'28.917"N	104°45'39.197"W	1.19	
9447.00	90.860	270.340	7362.80	389.57	-248.87	-381.39	40°32'28.914"N	104°45'40.414"W	1.19	
9542.00	90.920	270.820	7361.32	484.46	-247.90	-476.37	40°32'28.923"N	104°45'41.645"W	0.51	
9637.00	90.280	271.450	7360.32	579.32	-246.02	-571.35	40°32'28.942"N	104°45'42.875"W	0.95	
9732.00	90.000	272.000	7360.09	674.13	-243.16	-666.30	40°32'28.970"N	104°45'44.105"W	0.65	
9826.00	90.120	271.400	7359.99	767.94	-240.37	-760.26	40°32'28.997"N	104°45'45.322"W	0.65	
9921.00	90.180	272.210	7359.75	862.73	-237.38	-855.21	40°32'29.027"N	104°45'46.552"W	0.85	
10016.00	90.220	269.780	7359.41	957.60	-235.73	-950.19	40°32'29.043"N	104°45'47.782"W	2.56	
10110.00	90.180	269.690	7359.09	1051.56	-236.17	-1044.19	40°32'29.039"N	104°45'48.999"W	0.10	
10205.00	90.310	269.580	7358.68	1146.53	-236.77	-1139.19	40°32'29.033"N	104°45'50.230"W	0.18	
10299.00	90.250	268.380	7358.22	1240.51	-238.45	-1233.17	40°32'29.016"N	104°45'51.447"W	1.28	
10394.00	90.280	267.710	7357.78	1335.51	-241.69	-1328.11	40°32'28.984"N	104°45'52.677"W	0.71	
10488.00	90.120	267.600	7357.45	1429.51	-245.53	-1422.03	40°32'28.946"N	104°45'53.893"W	0.21	
10583.00	90.400	268.340	7357.02	1524.50	-248.90	-1516.97	40°32'28.913"N	104°45'55.123"W	0.83	
10677.00	90.150	268.960	7356.57	1618.50	-251.11	-1610.94	40°32'28.891"N	104°45'56.340"W	0.71	
10772.00	86.090	266.900	7359.69	1713.42	-254.54	-1705.81	40°32'28.857"N	104°45'57.569"W	4.79	
10867.00	89.570	269.450	7363.28	1808.33	-257.56	-1800.67	40°32'28.827"N	104°45'58.798"W	4.54	
10961.00	89.080	270.050	7364.39	1902.28	-257.97	-1894.66	40°32'28.823"N	104°46'00.015"W	0.82	
11055.00	89.170	269.960	7365.83	1996.22	-257.96	-1988.65	40°32'28.823"N	104°46'01.232"W	0.14	
11149.00	90.250	269.700	7366.30	2090.17	-258.24	-2082.65	40°32'28.820"N	104°46'02.450"W	1.18	

# Actual Wellpath Report

G & D HANKS T-27-28HC AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BAYSWATER E & P LLC	Slot	SLOT#10 G & D HANKS T-27-28HC (1213'FSL & 1575'FEL,SEC.27)
Area	COLORADO	Well	G & D HANKS T-27-28HC
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	G & D HANKS T-27-28HC AWB
Facility	SEC.27-T07N-R66W		

WELLPATH DATA (197 stations)										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
11243.00	90.090	268.610	7366.02	2184.15	-259.63	-2176.63	40°32'28.806"N	104°46'03.667"W	1.17	
11337.00	90.000	267.640	7365.95	2278.15	-262.70	-2270.58	40°32'28.776"N	104°46'04.884"W	1.04	
11432.00	90.740	270.950	7365.34	2373.11	-263.87	-2365.56	40°32'28.764"N	104°46'06.114"W	3.57	
11526.00	90.060	268.530	7364.68	2467.06	-264.30	-2459.55	40°32'28.760"N	104°46'07.332"W	2.67	
11621.00	90.310	265.000	7364.37	2562.02	-269.66	-2554.38	40°32'28.707"N	104°46'08.560"W	3.73	
11716.00	90.310	264.140	7363.86	2656.84	-278.65	-2648.95	40°32'28.618"N	104°46'09.785"W	0.91	
11810.00	91.720	269.730	7362.19	2750.77	-283.67	-2742.76	40°32'28.568"N	104°46'11.000"W	6.13	
11905.00	90.310	270.070	7360.51	2845.70	-283.84	-2837.75	40°32'28.566"N	104°46'12.230"W	1.53	
11999.00	90.460	273.410	7359.88	2939.50	-280.98	-2931.69	40°32'28.595"N	104°46'13.447"W	3.56	
12093.00	89.850	275.160	7359.62	3032.94	-273.96	-3025.42	40°32'28.664"N	104°46'14.661"W	1.97	
12188.00	90.000	278.640	7359.75	3126.80	-262.55	-3119.72	40°32'28.776"N	104°46'15.883"W	3.67	
12283.00	90.090	276.230	7359.67	3220.52	-250.26	-3213.91	40°32'28.898"N	104°46'17.103"W	2.54	
12377.00	89.850	274.290	7359.72	3313.78	-241.64	-3307.51	40°32'28.983"N	104°46'18.315"W	2.08	
12472.00	89.910	272.430	7359.92	3408.37	-236.07	-3402.34	40°32'29.038"N	104°46'19.543"W	1.96	
12567.00	89.970	270.490	7360.02	3503.20	-233.65	-3497.31	40°32'29.062"N	104°46'20.773"W	2.04	
12661.00	89.480	268.490	7360.47	3597.16	-234.49	-3591.30	40°32'29.053"N	104°46'21.991"W	2.19	
12755.00	88.980	266.430	7361.74	3691.14	-238.65	-3685.19	40°32'29.012"N	104°46'23.207"W	2.25	
12850.00	89.080	265.530	7363.34	3786.07	-245.31	-3779.94	40°32'28.946"N	104°46'24.434"W	0.95	
12944.00	89.080	265.250	7364.85	3879.95	-252.87	-3873.63	40°32'28.871"N	104°46'25.648"W	0.30	
13039.00	88.950	266.190	7366.49	3974.86	-259.96	-3968.35	40°32'28.801"N	104°46'26.874"W	1.00	
13133.00	90.000	267.310	7367.35	4068.83	-265.28	-4062.19	40°32'28.748"N	104°46'28.090"W	1.63	
13228.00	89.880	266.280	7367.45	4163.80	-270.60	-4157.04	40°32'28.695"N	104°46'29.318"W	1.09	
13322.00	90.150	266.450	7367.42	4257.76	-276.55	-4250.85	40°32'28.636"N	104°46'30.533"W	0.34	
13417.00	90.150	268.390	7367.17	4352.75	-280.83	-4345.75	40°32'28.594"N	104°46'31.763"W	2.04	
13511.00	90.090	269.480	7366.98	4446.74	-282.58	-4439.73	40°32'28.577"N	104°46'32.980"W	1.16	
13606.00	89.970	268.290	7366.93	4541.72	-284.43	-4534.71	40°32'28.558"N	104°46'34.210"W	1.26	
13701.00	90.000	268.200	7366.95	4636.72	-287.34	-4629.67	40°32'28.529"N	104°46'35.440"W	0.10	
13795.00	90.120	268.600	7366.85	4730.72	-289.96	-4723.63	40°32'28.503"N	104°46'36.657"W	0.44	
13890.00	90.090	269.490	7366.68	4825.71	-291.54	-4818.62	40°32'28.487"N	104°46'37.887"W	0.94	
13985.00	90.030	270.310	7366.58	4920.66	-291.71	-4913.61	40°32'28.485"N	104°46'39.118"W	0.87	

# Actual Wellpath Report

G & D HANKS T-27-28HC AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	BAYSWATER E & P LLC	Slot	SLOT#10 G & D HANKS T-27-28HC (1213'FSL & 1575'FEL,SEC.27)
Area	COLORADO	Well	G & D HANKS T-27-28HC
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	G & D HANKS T-27-28HC AWB
Facility	SEC.27-T07N-R66W		

## WELLPATH DATA (197 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
14079.00	90.000	270.300	7366.56	5014.59	-291.21	-5007.61	40°32'28.490"N	104°46'40.335"W	0.03	
14174.00	90.000	268.700	7366.56	5109.55	-292.04	-5102.61	40°32'28.482"N	104°46'41.566"W	1.68	
14269.00	90.030	266.250	7366.53	5204.54	-296.22	-5197.51	40°32'28.440"N	104°46'42.795"W	2.58	
14363.00	89.970	265.780	7366.53	5298.48	-302.76	-5291.28	40°32'28.376"N	104°46'44.010"W	0.50	
14458.00	90.120	263.880	7366.46	5393.32	-311.32	-5385.89	40°32'28.291"N	104°46'45.235"W	2.01	
14552.00	89.850	264.020	7366.48	5487.08	-321.22	-5479.37	40°32'28.193"N	104°46'46.446"W	0.32	
14647.00	90.030	268.220	7366.58	5582.01	-327.65	-5574.13	40°32'28.129"N	104°46'47.673"W	4.43	
14741.00	89.970	269.840	7366.58	5675.99	-329.24	-5668.11	40°32'28.113"N	104°46'48.890"W	1.72	
14836.00	89.970	270.160	7366.63	5770.94	-329.24	-5763.11	40°32'28.113"N	104°46'50.121"W	0.34	
14931.00	89.510	270.600	7367.06	5865.86	-328.61	-5858.11	40°32'28.119"N	104°46'51.351"W	0.67	
15025.00	89.570	270.510	7367.82	5959.76	-327.70	-5952.10	40°32'28.128"N	104°46'52.569"W	0.12	
15119.00	89.570	271.070	7368.52	6053.66	-326.40	-6046.09	40°32'28.140"N	104°46'53.786"W	0.60	
15214.00	89.420	271.590	7369.36	6148.50	-324.20	-6141.06	40°32'28.162"N	104°46'55.016"W	0.57	
15308.00	89.260	271.060	7370.44	6242.34	-322.03	-6235.03	40°32'28.183"N	104°46'56.233"W	0.59	
15404.00	89.260	271.220	7371.68	6338.19	-320.12	-6331.00	40°32'28.202"N	104°46'57.476"W	0.17	
15498.00	90.180	271.650	7372.14	6432.03	-317.76	-6424.97	40°32'28.225"N	104°46'58.694"W	1.08	
15593.00	90.060	271.280	7371.94	6526.86	-315.33	-6519.93	40°32'28.248"N	104°46'59.924"W	0.41	
15688.00	90.000	271.470	7371.89	6621.70	-313.05	-6614.91	40°32'28.271"N	104°47'01.154"W	0.21	
15782.00	90.060	270.870	7371.84	6715.56	-311.13	-6708.89	40°32'28.289"N	104°47'02.371"W	0.64	
15876.00	90.090	270.300	7371.72	6809.47	-310.18	-6802.88	40°32'28.299"N	104°47'03.589"W	0.61	
15970.00	90.090	269.190	7371.57	6903.43	-310.59	-6896.88	40°32'28.294"N	104°47'04.806"W	1.18	
16065.00	89.940	269.620	7371.55	6998.41	-311.58	-6991.87	40°32'28.284"N	104°47'06.036"W	0.48	
16159.00	89.970	269.680	7371.62	7092.37	-312.15	-7085.87	40°32'28.278"N	104°47'07.254"W	0.07	
16254.00	90.120	269.900	7371.55	7187.33	-312.50	-7180.87	40°32'28.275"N	104°47'08.484"W	0.28	
16349.00	90.090	270.950	7371.37	7282.24	-311.80	-7275.87	40°32'28.281"N	104°47'09.715"W	1.11	
16443.00	90.030	270.160	7371.27	7376.15	-310.89	-7369.86	40°32'28.290"N	104°47'10.932"W	0.84	
16538.00	90.090	270.070	7371.17	7471.09	-310.70	-7464.86	40°32'28.292"N	104°47'12.163"W	0.11	
16633.00	90.150	269.810	7370.98	7566.04	-310.80	-7559.86	40°32'28.290"N	104°47'13.393"W	0.28	
16728.00	89.880	270.360	7370.95	7660.98	-310.66	-7654.86	40°32'28.291"N	104°47'14.624"W	0.64	
16822.00	89.970	272.020	7371.07	7754.84	-308.70	-7748.84	40°32'28.310"N	104°47'15.841"W	1.77	

# Actual Wellpath Report

G & D HANKS T-27-28HC AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	BAYSWATER E & P LLC	Slot	SLOT#10 G & D HANKS T-27-28HC (1213'FSL & 1575'FEL,SEC.27)
Area	COLORADO	Well	G & D HANKS T-27-28HC
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	G & D HANKS T-27-28HC AWB
Facility	SEC.27-T07N-R66W		

## WELLPATH DATA (197 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
16917.00	90.150	270.860	7370.97	7849.67	-306.32	-7843.81	40°32'28.334"N	104°47'17.071"W	1.24	
17011.00	92.220	273.040	7369.03	7943.43	-303.12	-7937.72	40°32'28.365"N	104°47'18.288"W	3.20	
17106.00	89.510	270.530	7367.60	8038.20	-300.16	-8032.65	40°32'28.394"N	104°47'19.517"W	3.89	
17200.00	88.000	268.690	7369.64	8132.14	-300.80	-8126.62	40°32'28.387"N	104°47'20.734"W	2.53	
17295.00	87.750	267.040	7373.16	8227.07	-304.34	-8221.48	40°32'28.352"N	104°47'21.963"W	1.76	
17389.00	90.280	269.040	7374.78	8321.04	-307.55	-8315.40	40°32'28.320"N	104°47'23.179"W	3.43	
17483.00	89.080	269.750	7375.30	8415.01	-308.54	-8409.39	40°32'28.310"N	104°47'24.397"W	1.48	
17578.00	91.350	273.700	7374.95	8509.79	-305.68	-8504.32	40°32'28.338"N	104°47'25.626"W	4.80	
17672.00	88.860	272.020	7374.77	8603.45	-300.99	-8598.19	40°32'28.384"N	104°47'26.842"W	3.20	
17767.00	89.230	270.580	7376.36	8698.29	-298.84	-8693.15	40°32'28.405"N	104°47'28.072"W	1.56	
17862.00	87.380	268.870	7379.17	8793.20	-299.29	-8788.10	40°32'28.400"N	104°47'29.302"W	2.65	
17956.00	87.570	268.510	7383.31	8887.10	-301.44	-8881.99	40°32'28.378"N	104°47'30.518"W	0.43	
18051.00	87.510	268.380	7387.39	8982.01	-304.02	-8976.87	40°32'28.353"N	104°47'31.747"W	0.15	
18145.00	87.510	268.450	7391.47	9075.92	-306.61	-9070.74	40°32'28.327"N	104°47'32.963"W	0.07	
18240.00	88.890	268.150	7394.45	9170.87	-309.43	-9165.65	40°32'28.298"N	104°47'34.192"W	1.49	
18291.00	88.920	268.150	7395.43	9221.86	-311.08	-9216.61	40°32'28.282"N	104°47'34.852"W	0.06	BHGE LAST MWD
18315.00	88.920	268.150	7395.88	9245.86	-311.85	-9240.60	40°32'28.274"N	104°47'35.163"W	0.00	PROJ TO BIT

## HOLE & CASING SECTIONS

- Ref Wellbore: G & D HANKS T-27-28HC AWB Ref Wellpath: G & D HANKS T-27-28HC AWP

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	25.00	1550.00	1525.00	25.00	1521.37	0.00	0.00	-23.77	234.37
9.625in Casing Surface	25.00	1550.00	1525.00	25.00	1521.37	0.00	0.00	-23.77	234.37
8.5in Open Hole	1550.00	18315.00	16765.00	1521.37	7395.88	-23.77	234.37	-311.85	-9240.60

# Actual Wellpath Report

G & D HANKS T-27-28HC AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BAYSWATER E & P LLC	Slot	SLOT#10 G & D HANKS T-27-28HC (1213'FSL & 1575'FEL,SEC.27)
Area	COLORADO	Well	G & D HANKS T-27-28HC
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	G & D HANKS T-27-28HC AWB
Facility	SEC.27-T07N-R66W		

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
G & D HANKS T-27-28HC WP2 (-2455'SS,7356'TVD)	7356.00	-245.06	-1638.64	3204067.52	1440908.65	40°32'28.951"N	104°45'56.699"W	point
G & D HANKS T-27-28HC WP1 (-2458'SS,7359'TVD)	7359.00	-232.98	-538.73	3205167.26	1440929.92	40°32'29.071"N	104°45'42.452"W	point
G & D HANKS T-27-28HC WP4 (-2461'SS,7362'TVD)	7362.00	-289.03	-5638.27	3200068.53	1440831.31	40°32'28.510"N	104°46'48.504"W	point
G & D HANKS T-27-28HC WP3 (-2463'SS,7364'TVD)	7364.00	-272.53	-4138.51	3201568.05	1440860.32	40°32'28.676"N	104°46'29.078"W	point
G & D HANKS T-27-28HC LP REV-1 (985'FSL & 470'FEL,SEC.27)	7387.00	-214.92	1105.92	3206811.64	1440961.70	40°32'29.249"N	104°45'21.150"W	point
G & D HANKS T-27-28HC BHL REV-2 (985'FSL & 5'FWL,SEC.28)	7393.00	-328.70	-9251.49	3196455.88	1440761.48	40°32'28.108"N	104°47'35.304"W	point
SEC.27,28-T07N-R66W HDL (460'FEL & 5'FWL)	9999.00	14.94	0.00	3205703.88	1441182.31	40°32'31.520"N	104°45'35.474"W	polygon
SEC.27-T07N-R66W	9999.00	14.94	0.00	3205703.88	1441182.31	40°32'31.520"N	104°45'35.474"W	polygon
SEC.28-T07N-R66W*	9999.00	14.94	0.00	3205703.88	1441182.31	40°32'31.520"N	104°45'35.474"W	polygon

WELLPATH COMPOSITION - Ref Wellbore: G & D HANKS T-27-28HC AWB					Ref Wellpath: G & D HANKS T-27-28HC AWP
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	
25.00	1508.00	BHI NaviTrak (Standard)	13.5" Surface NaviTrak (Standard) <137-1508>	G & D HANKS T-27-28HC AWB	
1508.00	18291.00	BHI AutoTrak Curve (Short)	BHI AutoTrak Curve (Short) <1600-18291>	G & D HANKS T-27-28HC AWB	
18291.00	18315.00	Blind Drilling (std)	Projection to bit	G & D HANKS T-27-28HC AWB	