

## REFERENCE WELLPATH IDENTIFICATION

Operator	BAYSWATER E&P, LLC	Well	G & D HANKS O-27-28HN
Field	WELD COUNTY (NAD83/TRUE NORTH)	API	05-123-46029
Facility	SEC.27-T07N-R66W	Wellbore	G & D HANKS O-27-28HN AWP
Slot	SLOT#04 G & D HANKS O-27-28HN (1303'FSL & 1574'FEL,SEC.27)		

## REPORT SETUP INFORMATION

Projection System	NAD83 / Lambert Colorado SP, Northern Zone (501), US feet	Software System	WellArchitect® 6.0
North Reference	True	User	Bloojosf
Scale	0.999970	Report Generated	1/12/2023 at 12:06:21 PM
Convergence at slot	0.48° East	Database	WellArchitectDB

## WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-45.18	0.00	3205703.53	1441257.36	40°32'32.2620"N	104°45'35.4708"W
Facility Reference Pt			3205703.16	1441302.53	40°32'32.7084"N	104°45'35.4708"W
Field Reference Pt			3174587.00	1430859.71	40°30'51.8900"N	104°52'19.4700"W

## WELLPATH DATUM

Calculation method	Minimum curvature	TRUE 38 (4875'GL + 25'KB @ 4900'RKB) (RKB) to Facility Vertical Datum	4900.00ft
Horizontal Reference Pt	Slot	TRUE 38 (4875'GL + 25'KB @ 4900'RKB) (RKB) to Mean Sea Level	4900.00ft
Vertical Reference Pt	TRUE 38 (4875'GL + 25'KB @ 4900'RKB) (RKB)	TRUE 38 (4875'GL + 25'KB @ 4900'RKB) (RKB) to Ground Level at Slot (SLOT#04 G & D HANKS O-27-28HN (1303'FSL & 1574'FEL,SEC.27))	4900.00ft
MD Reference Pt	TRUE 38 (4875'GL + 25'KB @ 4900'RKB) (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	274.57°

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WELLPATH DATA (193 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	42.640	0.00	0.00	0.00	0.00	40°32'32.2620"N	104°45'35.4708"W	0.00	
25.00	0.000	42.640	25.00	0.00	0.00	0.00	40°32'32.2620"N	104°45'35.4708"W	0.00	
147.00	1.150	42.640	146.99	-0.75	0.90	0.83	40°32'32.2709"N	104°45'35.4601"W	0.94	
232.00	0.420	329.610	231.98	-1.10	1.80	1.25	40°32'32.2798"N	104°45'35.4546"W	1.30	
326.00	0.480	331.660	325.98	-0.69	2.44	0.89	40°32'32.2861"N	104°45'35.4593"W	0.07	
419.00	1.450	30.230	418.97	-0.99	3.80	1.30	40°32'32.2996"N	104°45'35.4540"W	1.36	
513.00	2.200	49.880	512.92	-2.79	5.99	3.27	40°32'32.3212"N	104°45'35.4284"W	1.03	
608.00	3.660	60.300	607.80	-6.59	8.67	7.30	40°32'32.3477"N	104°45'35.3762"W	1.63	
703.00	5.510	63.790	702.49	-13.01	12.18	14.03	40°32'32.3824"N	104°45'35.2891"W	1.97	
798.00	7.850	65.600	796.84	-22.61	16.88	24.03	40°32'32.4288"N	104°45'35.1595"W	2.47	
892.00	10.510	64.030	889.62	-35.61	23.29	37.59	40°32'32.4921"N	104°45'34.9840"W	2.84	
986.00	12.270	65.380	981.77	-51.71	31.20	54.38	40°32'32.5703"N	104°45'34.7665"W	1.89	
1081.00	14.340	64.740	1074.21	-70.73	40.43	74.19	40°32'32.6615"N	104°45'34.5098"W	2.18	
1176.00	16.300	65.380	1165.83	-92.58	51.01	96.96	40°32'32.7660"N	104°45'34.2150"W	2.07	
1271.00	17.710	66.920	1256.68	-117.02	62.22	122.37	40°32'32.8769"N	104°45'33.8858"W	1.56	
1366.00	19.980	64.120	1346.58	-143.81	74.97	150.27	40°32'33.0029"N	104°45'33.5244"W	2.57	
1461.00	19.330	62.720	1436.05	-171.16	89.27	178.85	40°32'33.1441"N	104°45'33.1542"W	0.84	
1508.00	19.280	62.230	1480.40	-184.32	96.45	192.63	40°32'33.2150"N	104°45'32.9758"W	0.36	
1597.00	19.210	60.910	1564.43	-208.92	110.41	218.42	40°32'33.3530"N	104°45'32.6416"W	0.50	
1691.00	18.800	56.590	1653.31	-233.73	126.27	244.58	40°32'33.5097"N	104°45'32.3028"W	1.56	
1786.00	18.630	55.570	1743.29	-257.59	143.28	269.88	40°32'33.6778"N	104°45'31.9752"W	0.39	
1880.00	18.580	54.880	1832.38	-280.78	160.38	294.51	40°32'33.8468"N	104°45'31.6561"W	0.24	
1975.00	18.520	55.620	1922.44	-304.16	177.61	319.34	40°32'34.0170"N	104°45'31.3345"W	0.26	
2070.00	18.480	55.880	2012.53	-327.64	194.58	344.26	40°32'34.1846"N	104°45'31.0117"W	0.10	
2164.00	18.140	57.570	2101.77	-350.95	210.78	368.94	40°32'34.3448"N	104°45'30.6920"W	0.67	
2259.00	17.920	63.610	2192.12	-375.30	225.21	394.52	40°32'34.4873"N	104°45'30.3607"W	1.98	
2353.00	18.250	69.660	2281.48	-401.05	236.75	421.28	40°32'34.6014"N	104°45'30.0141"W	2.03	
2447.00	18.050	71.310	2370.80	-427.78	246.53	448.87	40°32'34.6981"N	104°45'29.6566"W	0.59	
2541.00	17.600	76.990	2460.30	-454.71	254.40	476.52	40°32'34.7758"N	104°45'29.2986"W	1.91	
2635.00	18.110	79.290	2549.77	-482.35	260.32	504.72	40°32'34.8342"N	104°45'28.9333"W	0.93	
2729.00	18.240	79.530	2639.08	-510.65	265.70	533.54	40°32'34.8875"N	104°45'28.5600"W	0.16	
2824.00	18.270	74.580	2729.31	-539.00	272.37	562.52	40°32'34.9533"N	104°45'28.1846"W	1.63	
2919.00	18.250	70.870	2819.53	-566.61	281.20	590.93	40°32'35.0406"N	104°45'27.8166"W	1.22	
3014.00	18.250	63.930	2909.76	-593.04	292.61	618.34	40°32'35.1534"N	104°45'27.4615"W	2.29	
3108.00	18.260	58.150	2999.03	-617.55	306.85	644.08	40°32'35.2941"N	104°45'27.1282"W	1.93	
3203.00	18.040	60.380	3089.31	-641.69	321.98	669.51	40°32'35.4435"N	104°45'26.7988"W	0.77	
3298.00	18.050	64.050	3179.64	-666.54	335.69	695.53	40°32'35.5790"N	104°45'26.4617"W	1.20	
3392.00	18.120	63.060	3268.99	-691.55	348.68	721.65	40°32'35.7074"N	104°45'26.1233"W	0.34	
3487.00	18.090	61.670	3359.29	-716.52	362.38	747.81	40°32'35.8427"N	104°45'25.7845"W	0.46	
3581.00	18.100	66.860	3448.65	-741.70	375.04	774.08	40°32'35.9678"N	104°45'25.4442"W	1.71	
3675.00	18.090	68.620	3538.00	-767.75	386.10	801.10	40°32'36.0771"N	104°45'25.0943"W	0.58	
3769.00	18.010	69.810	3627.37	-794.07	396.44	828.33	40°32'36.1792"N	104°45'24.7416"W	0.40	
3863.00	18.240	70.590	3716.71	-820.71	406.34	855.84	40°32'36.2771"N	104°45'24.3852"W	0.36	
3958.00	18.030	68.980	3806.99	-847.55	416.55	883.59	40°32'36.3780"N	104°45'24.0258"W	0.57	
4053.00	18.130	64.320	3897.31	-873.58	428.23	910.63	40°32'36.4934"N	104°45'23.6755"W	1.53	

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Slot	SLOT#04 G & D HANKS O-27-28HN (1303'FSL & 1574'FEL,SEC.27)		

## WELLPATH DATA (193 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
4147.00	18.330	59.090	3986.59	-898.25	442.17	936.50	40°32'36.6310"N	104°45'23.3404"W	1.75	
4242.00	18.470	52.040	4076.75	-921.50	459.10	961.18	40°32'36.7983"N	104°45'23.0207"W	2.35	
4336.00	18.100	49.610	4166.00	-942.81	477.72	984.04	40°32'36.9823"N	104°45'22.7245"W	0.90	
4431.00	17.880	49.820	4256.36	-963.60	496.69	1006.43	40°32'37.1698"N	104°45'22.4346"W	0.24	
4526.00	17.920	53.970	4346.76	-985.06	514.70	1029.39	40°32'37.3477"N	104°45'22.1372"W	1.34	
4620.00	17.940	57.200	4436.20	-1007.54	531.05	1053.25	40°32'37.5093"N	104°45'21.8281"W	1.06	
4714.00	18.070	59.550	4525.60	-1030.99	546.28	1077.99	40°32'37.6597"N	104°45'21.5076"W	0.78	
4809.00	18.380	62.100	4615.83	-1055.69	560.75	1103.93	40°32'37.8028"N	104°45'21.1716"W	0.90	
4903.00	18.260	64.930	4705.07	-1080.99	573.93	1130.37	40°32'37.9329"N	104°45'20.8292"W	0.95	
4998.00	18.320	64.780	4795.27	-1106.88	586.60	1157.35	40°32'38.0581"N	104°45'20.4796"W	0.08	
5092.00	18.250	67.860	4884.53	-1132.85	598.44	1184.35	40°32'38.1751"N	104°45'20.1299"W	1.03	
5187.00	18.290	66.200	4974.74	-1159.25	610.06	1211.77	40°32'38.2899"N	104°45'19.7747"W	0.55	
5282.00	18.290	64.470	5064.94	-1185.26	622.50	1238.86	40°32'38.4128"N	104°45'19.4238"W	0.57	
5377.00	18.320	61.690	5155.14	-1210.70	636.00	1265.46	40°32'38.5463"N	104°45'19.0793"W	0.92	
5566.00	18.130	62.090	5334.66	-1260.45	663.86	1317.59	40°32'38.8215"N	104°45'18.4040"W	0.12	
5661.00	18.000	64.150	5424.97	-1285.57	677.17	1343.87	40°32'38.9531"N	104°45'18.0637"W	0.69	
5755.00	17.850	63.700	5514.41	-1310.46	689.89	1369.85	40°32'39.0787"N	104°45'17.7271"W	0.22	
5850.00	18.040	65.970	5604.79	-1335.87	702.33	1396.34	40°32'39.2016"N	104°45'17.3839"W	0.76	
5945.00	18.170	61.140	5695.09	-1361.15	715.47	1422.75	40°32'39.3315"N	104°45'17.0419"W	1.59	
6039.00	17.810	57.710	5784.50	-1384.88	730.23	1447.74	40°32'39.4772"N	104°45'16.7182"W	1.19	
6134.00	17.580	61.100	5875.01	-1408.47	744.92	1472.58	40°32'39.6224"N	104°45'16.3964"W	1.11	
6229.00	17.660	58.670	5965.55	-1432.11	759.35	1497.45	40°32'39.7650"N	104°45'16.0742"W	0.78	
6324.00	18.060	58.120	6055.97	-1455.63	774.62	1522.26	40°32'39.9158"N	104°45'15.7528"W	0.46	
6513.00	17.870	59.200	6235.76	-1502.84	804.94	1572.05	40°32'40.2154"N	104°45'15.1079"W	0.20	
6608.00	18.160	64.260	6326.11	-1527.51	818.83	1597.91	40°32'40.3527"N	104°45'14.7730"W	1.67	
6702.00	18.270	66.270	6415.40	-1553.12	831.12	1624.59	40°32'40.4741"N	104°45'14.4273"W	0.68	
6797.00	14.910	58.070	6506.44	-1576.07	843.59	1648.60	40°32'40.5973"N	104°45'14.1162"W	4.30	
6892.00	6.870	46.090	6599.66	-1589.68	854.01	1663.10	40°32'40.7002"N	104°45'13.9285"W	8.75	
6987.00	6.340	277.930	6694.37	-1588.21	858.69	1661.99	40°32'40.7465"N	104°45'13.9428"W	12.50	
7081.00	16.000	268.580	6786.49	-1570.10	859.08	1643.85	40°32'40.7504"N	104°45'14.1777"W	10.42	
7176.00	22.040	263.200	6876.27	-1539.57	856.65	1613.03	40°32'40.7263"N	104°45'14.5769"W	6.61	
7271.00	31.260	265.870	6961.09	-1497.64	852.75	1570.66	40°32'40.6879"N	104°45'15.1259"W	9.78	
7366.00	41.480	269.110	7037.49	-1441.80	850.48	1514.46	40°32'40.6655"N	104°45'15.8538"W	10.94	
7460.00	50.790	271.710	7102.56	-1374.29	851.09	1446.78	40°32'40.6715"N	104°45'16.7305"W	10.10	
7554.00	60.100	272.090	7155.82	-1297.04	853.67	1369.49	40°32'40.6970"N	104°45'17.7316"W	9.91	
7649.00	71.070	272.080	7195.02	-1210.75	856.81	1283.17	40°32'40.7281"N	104°45'18.8497"W	11.55	
7743.00	79.420	271.550	7218.94	-1120.03	859.68	1192.40	40°32'40.7565"N	104°45'20.0255"W	8.90	
7837.00	89.290	272.790	7228.18	-1026.69	863.22	1099.04	40°32'40.7916"N	104°45'21.2348"W	10.58	
7931.00	90.090	270.660	7228.69	-932.81	866.05	1005.09	40°32'40.8196"N	104°45'22.4517"W	2.42	
8026.00	90.060	269.290	7228.56	-838.12	866.01	910.09	40°32'40.8192"N	104°45'23.6822"W	1.44	
8121.00	90.280	268.190	7228.28	-743.62	863.92	815.12	40°32'40.7986"N	104°45'24.9125"W	1.18	
8215.00	90.310	267.140	7227.80	-650.30	860.09	721.20	40°32'40.7608"N	104°45'26.1290"W	1.12	
8310.00	90.430	268.720	7227.18	-555.94	856.66	626.27	40°32'40.7269"N	104°45'27.3587"W	1.67	
8404.00	90.430	270.410	7226.48	-462.31	855.95	532.27	40°32'40.7199"N	104°45'28.5762"W	1.80	
8499.00	90.220	268.050	7225.94	-367.73	854.67	437.29	40°32'40.7073"N	104°45'29.8065"W	2.49	

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8594.00	90.460	265.130	7225.38	-273.66	849.02	342.47	40°32'40.6515"N	104°45'31.0347"W	3.08	
8688.00	90.550	264.550	7224.55	-181.02	840.57	248.86	40°32'40.5680"N	104°45'32.2473"W	0.62	
8783.00	90.370	263.050	7223.78	-87.70	830.31	154.42	40°32'40.4666"N	104°45'33.4706"W	1.59	
8878.00	90.460	264.310	7223.10	5.58	819.85	60.00	40°32'40.3633"N	104°45'34.6936"W	1.33	
8972.00	90.460	267.910	7222.34	98.54	813.47	-33.77	40°32'40.3003"N	104°45'35.9082"W	3.83	
9066.00	90.490	267.990	7221.56	191.91	810.11	-127.70	40°32'40.2670"N	104°45'37.1249"W	0.09	
9161.00	90.580	268.770	7220.68	286.35	807.43	-222.66	40°32'40.2405"N	104°45'38.3549"W	0.83	
9255.00	90.770	268.990	7219.57	379.88	805.59	-316.63	40°32'40.2223"N	104°45'39.5722"W	0.31	
9350.00	90.520	270.160	7218.50	474.51	804.88	-411.62	40°32'40.2153"N	104°45'40.8026"W	1.26	
9444.00	90.310	271.810	7217.82	568.32	806.50	-505.60	40°32'40.2313"N	104°45'42.0200"W	1.77	
9538.00	90.620	270.530	7217.05	662.15	808.42	-599.58	40°32'40.2502"N	104°45'43.2372"W	1.40	
9633.00	90.490	272.730	7216.13	757.01	811.12	-694.53	40°32'40.2769"N	104°45'44.4671"W	2.32	
9727.00	90.680	272.540	7215.17	850.95	815.44	-788.43	40°32'40.3196"N	104°45'45.6834"W	0.29	
9822.00	90.490	272.430	7214.20	945.89	819.56	-883.33	40°32'40.3603"N	104°45'46.9127"W	0.23	
9916.00	90.490	271.710	7213.40	1039.79	822.96	-977.27	40°32'40.3938"N	104°45'48.1295"W	0.77	
10011.00	90.460	272.350	7212.61	1134.69	826.32	-1072.20	40°32'40.4270"N	104°45'49.3592"W	0.67	
10105.00	90.430	271.060	7211.88	1228.57	829.12	-1166.16	40°32'40.4546"N	104°45'50.5762"W	1.37	
10200.00	90.430	271.860	7211.17	1323.43	831.54	-1261.12	40°32'40.4784"N	104°45'51.8063"W	0.84	
10295.00	90.400	269.390	7210.48	1418.19	832.58	-1356.11	40°32'40.4886"N	104°45'53.0366"W	2.60	
10389.00	90.340	269.070	7209.87	1511.78	831.31	-1450.10	40°32'40.4761"N	104°45'54.2541"W	0.35	
10484.00	90.460	271.130	7209.21	1606.48	831.48	-1545.09	40°32'40.4777"N	104°45'55.4845"W	2.17	
10578.00	89.820	271.300	7208.98	1700.32	833.47	-1639.07	40°32'40.4973"N	104°45'56.7018"W	0.70	
10673.00	90.220	270.870	7208.95	1795.15	835.27	-1734.05	40°32'40.5150"N	104°45'57.9322"W	0.62	
10768.00	90.060	269.690	7208.72	1889.88	835.73	-1829.05	40°32'40.5195"N	104°45'59.1627"W	1.25	
10862.00	90.030	268.350	7208.64	1983.43	834.13	-1923.03	40°32'40.5036"N	104°46'0.3801"W	1.43	
10957.00	90.030	267.140	7208.59	2077.76	830.39	-2017.96	40°32'40.4666"N	104°46'1.6096"W	1.27	
11051.00	90.180	267.580	7208.42	2171.01	826.06	-2111.86	40°32'40.4237"N	104°46'2.8259"W	0.49	
11146.00	89.940	267.150	7208.32	2265.26	821.69	-2206.75	40°32'40.3805"N	104°46'4.0551"W	0.52	
11240.00	89.880	268.320	7208.47	2358.59	817.98	-2300.68	40°32'40.3437"N	104°46'5.2718"W	1.25	
11335.00	90.000	268.180	7208.57	2453.01	815.08	-2395.64	40°32'40.3149"N	104°46'6.5017"W	0.19	
11430.00	90.180	267.980	7208.42	2547.40	811.89	-2490.58	40°32'40.2834"N	104°46'7.7316"W	0.28	
11524.00	90.220	267.500	7208.09	2640.73	808.19	-2584.51	40°32'40.2467"N	104°46'8.9482"W	0.51	
11618.00	90.150	266.270	7207.79	2733.89	803.08	-2678.37	40°32'40.1961"N	104°46'10.1640"W	1.31	
11712.00	89.940	265.040	7207.71	2826.75	795.96	-2772.09	40°32'40.1256"N	104°46'11.3780"W	1.33	
11807.00	89.940	267.090	7207.81	2920.70	789.44	-2866.87	40°32'40.0611"N	104°46'12.6056"W	2.16	
11902.00	91.750	269.550	7206.41	3015.11	786.65	-2961.80	40°32'40.0335"N	104°46'13.8353"W	3.21	
11996.00	91.350	269.790	7203.87	3108.73	786.11	-3055.77	40°32'40.0280"N	104°46'15.0524"W	0.50	
12091.00	91.780	269.930	7201.27	3203.37	785.88	-3150.73	40°32'40.0256"N	104°46'16.2825"W	0.48	
12185.00	89.970	270.440	7199.84	3297.08	786.18	-3244.71	40°32'40.0285"N	104°46'17.4999"W	2.00	
12280.00	89.820	270.410	7200.01	3391.83	786.89	-3339.71	40°32'40.0353"N	104°46'18.7304"W	0.16	
12374.00	90.580	270.880	7199.69	3485.61	787.95	-3433.70	40°32'40.0456"N	104°46'19.9479"W	0.95	
12469.00	90.340	270.680	7198.92	3580.40	789.24	-3528.69	40°32'40.0583"N	104°46'21.1783"W	0.33	
12564.00	89.970	270.380	7198.67	3675.16	790.12	-3623.69	40°32'40.0668"N	104°46'22.4088"W	0.50	
12659.00	89.850	269.670	7198.82	3769.86	790.16	-3718.69	40°32'40.0671"N	104°46'23.6393"W	0.76	
12753.00	89.820	268.570	7199.09	3863.43	788.72	-3812.67	40°32'40.0527"N	104°46'24.8567"W	1.17	

# Actual Wellpath Report

G & D HANKS O-27-28HN AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BAYSWATER E&P, LLC	Well	G & D HANKS O-27-28HN
Field	WELD COUNTY (NAD83/TRUE NORTH)	API	05-123-46029
Facility	SEC.27-T07N-R66W	Wellbore	G & D HANKS O-27-28HN AWP
Slot	SLOT#04 G & D HANKS O-27-28HN (1303'FSL & 1574'FEL,SEC.27)		

WELLPATH DATA (193 stations)										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
12848.00	89.970	268.360	7199.26	3957.90	786.17	-3907.64	40°32'40.0274"N	104°46'26.0868"W	0.27	
12943.00	90.220	269.420	7199.10	4052.43	784.33	-4002.62	40°32'40.0091"N	104°46'27.3171"W	1.15	
13038.00	90.250	271.110	7198.71	4147.15	784.77	-4097.62	40°32'40.0132"N	104°46'28.5476"W	1.78	
13132.00	90.060	271.160	7198.46	4240.98	786.63	-4191.60	40°32'40.0315"N	104°46'29.7649"W	0.21	
13227.00	90.180	272.420	7198.26	4335.87	789.60	-4286.55	40°32'40.0607"N	104°46'30.9949"W	1.33	
13321.00	90.060	271.490	7198.06	4429.77	792.81	-4380.49	40°32'40.0922"N	104°46'32.2117"W	1.00	
13416.00	89.780	270.270	7198.20	4524.57	794.26	-4475.48	40°32'40.1064"N	104°46'33.4421"W	1.32	
13511.00	89.720	270.200	7198.61	4619.30	794.65	-4570.48	40°32'40.1101"N	104°46'34.6726"W	0.10	
13605.00	90.220	271.700	7198.66	4713.11	796.21	-4664.46	40°32'40.1253"N	104°46'35.8900"W	1.68	
13700.00	89.880	270.570	7198.58	4807.93	798.09	-4759.44	40°32'40.1437"N	104°46'37.1203"W	1.24	
13796.00	90.120	270.190	7198.58	4903.68	798.73	-4855.44	40°32'40.1498"N	104°46'38.3638"W	0.47	
13890.00	90.120	268.740	7198.38	4997.30	797.85	-4949.43	40°32'40.1410"N	104°46'39.5813"W	1.54	
13984.00	90.030	267.560	7198.26	5090.71	794.82	-5043.38	40°32'40.1108"N	104°46'40.7982"W	1.26	
14079.00	89.850	266.790	7198.36	5184.92	790.14	-5138.26	40°32'40.0644"N	104°46'42.0272"W	0.83	
14174.00	89.780	266.890	7198.66	5279.05	784.90	-5233.12	40°32'40.0124"N	104°46'43.2559"W	0.13	
14269.00	89.750	266.820	7199.05	5373.19	779.69	-5327.98	40°32'39.9607"N	104°46'44.4846"W	0.08	
14363.00	89.660	267.060	7199.54	5466.35	774.67	-5421.84	40°32'39.9109"N	104°46'45.7004"W	0.27	
14458.00	89.540	267.900	7200.20	5560.62	770.49	-5516.75	40°32'39.8694"N	104°46'46.9297"W	0.89	
14553.00	89.750	268.760	7200.79	5655.06	767.73	-5611.70	40°32'39.8419"N	104°46'48.1597"W	0.93	
14648.00	89.570	269.280	7201.35	5749.61	766.10	-5706.69	40°32'39.8256"N	104°46'49.3900"W	0.58	
14743.00	89.540	269.770	7202.09	5844.24	765.31	-5801.68	40°32'39.8176"N	104°46'50.6204"W	0.52	
14837.00	89.780	270.440	7202.65	5937.95	765.48	-5895.68	40°32'39.8191"N	104°46'51.8380"W	0.76	
14932.00	89.510	270.650	7203.24	6032.71	766.39	-5990.67	40°32'39.8278"N	104°46'53.0685"W	0.36	
15026.00	89.600	270.310	7203.97	6126.47	767.18	-6084.67	40°32'39.8353"N	104°46'54.2860"W	0.37	
15121.00	89.660	270.060	7204.58	6221.19	767.48	-6179.66	40°32'39.8381"N	104°46'55.5165"W	0.27	
15215.00	89.510	269.540	7205.26	6314.86	767.15	-6273.66	40°32'39.8347"N	104°46'56.7340"W	0.58	
15310.00	89.420	268.760	7206.15	6409.43	765.75	-6368.64	40°32'39.8205"N	104°46'57.9644"W	0.83	
15405.00	89.970	269.100	7206.65	6503.97	763.97	-6463.63	40°32'39.8027"N	104°46'59.1947"W	0.68	
15500.00	89.420	269.490	7207.16	6598.56	762.80	-6558.62	40°32'39.7909"N	104°47'0.4251"W	0.71	
15595.00	90.280	269.670	7207.41	6693.20	762.11	-6653.61	40°32'39.7838"N	104°47'1.6556"W	0.92	
15689.00	89.660	268.860	7207.46	6786.80	760.90	-6747.60	40°32'39.7716"N	104°47'2.8731"W	1.09	
15784.00	89.450	268.520	7208.19	6881.29	758.73	-6842.58	40°32'39.7499"N	104°47'4.1032"W	0.42	
15879.00	89.750	267.380	7208.86	6975.65	755.33	-6937.51	40°32'39.7161"N	104°47'5.3329"W	1.24	
15973.00	89.570	267.350	7209.42	7068.91	751.01	-7031.41	40°32'39.6731"N	104°47'6.5492"W	0.19	
16068.00	89.630	267.330	7210.08	7163.15	746.60	-7126.31	40°32'39.6293"N	104°47'7.7784"W	0.07	
16163.00	89.600	267.810	7210.72	7257.44	742.57	-7221.22	40°32'39.5892"N	104°47'9.0077"W	0.51	
16258.00	89.850	267.520	7211.17	7351.75	738.70	-7316.14	40°32'39.5507"N	104°47'10.2372"W	0.40	
16352.00	89.630	268.800	7211.60	7445.16	735.68	-7410.09	40°32'39.5206"N	104°47'11.4541"W	1.38	
16447.00	89.540	270.730	7212.29	7539.81	735.29	-7505.08	40°32'39.5164"N	104°47'12.6846"W	2.03	
16542.00	89.540	272.740	7213.05	7634.69	738.17	-7600.03	40°32'39.5446"N	104°47'13.9145"W	2.12	
16637.00	89.720	273.730	7213.66	7729.66	743.53	-7694.87	40°32'39.5973"N	104°47'15.1430"W	1.06	
16732.00	89.910	273.930	7213.97	7824.65	749.88	-7789.66	40°32'39.6597"N	104°47'16.3708"W	0.29	
16826.00	89.660	271.590	7214.32	7918.60	754.40	-7883.54	40°32'39.7041"N	104°47'17.5869"W	2.50	
16921.00	89.750	270.450	7214.81	8013.41	756.09	-7978.52	40°32'39.7205"N	104°47'18.8173"W	1.20	
17016.00	89.690	270.770	7215.28	8108.18	757.11	-8073.52	40°32'39.7302"N	104°47'20.0477"W	0.34	

# Actual Wellpath Report

G & D HANKS O-27-28HN AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BAYSWATER E&P, LLC	Well	G & D HANKS O-27-28HN
Field	WELD COUNTY (NAD83/TRUE NORTH)	API	05-123-46029
Facility	SEC.27-T07N-R66W	Wellbore	G & D HANKS O-27-28HN AWB
Slot	SLOT#04 G & D HANKS O-27-28HN (1303'FSL & 1574'FEL,SEC.27)		

WELLPATH DATA (193 stations) † = interpolated, ‡ = extrapolated station										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
17110.00	89.820	270.510	7215.68	8201.96	758.16	-8167.51	40°32'39.7403"N	104°47'21.2652"W	0.31	
17205.00	89.850	269.520	7215.95	8296.66	758.18	-8262.51	40°32'39.7402"N	104°47'22.4957"W	1.04	
17299.00	89.780	269.240	7216.26	8390.27	757.16	-8356.50	40°32'39.7298"N	104°47'23.7133"W	0.31	
17393.00	89.880	268.730	7216.53	8483.82	755.50	-8450.49	40°32'39.7131"N	104°47'24.9306"W	0.55	
17488.00	89.720	268.610	7216.87	8578.32	753.29	-8545.46	40°32'39.6909"N	104°47'26.1608"W	0.21	
17582.00	89.880	269.060	7217.19	8671.85	751.38	-8639.44	40°32'39.6717"N	104°47'27.3781"W	0.51	
17676.00	89.850	269.050	7217.42	8765.41	749.83	-8733.43	40°32'39.6561"N	104°47'28.5956"W	0.03	
17771.00	89.940	270.090	7217.59	8860.05	749.12	-8828.42	40°32'39.6487"N	104°47'29.8260"W	1.10	
17865.00	89.660	269.770	7217.92	8953.74	749.00	-8922.42	40°32'39.6472"N	104°47'31.0436"W	0.45	
17960.00	89.780	269.070	7218.38	9048.35	748.04	-9017.42	40°32'39.6374"N	104°47'32.2741"W	0.75	
18054.00	89.720	267.730	7218.79	9141.80	745.42	-9111.38	40°32'39.6111"N	104°47'33.4911"W	1.43	
18125.00	89.570	266.140	7219.23	9212.17	741.62	-9182.27	40°32'39.5733"N	104°47'34.4094"W	2.25	LAST BHGE MWD SURVEY (2145'FSL & 33'FWL, SEC.28)
18150.00‡	89.570	266.140	7219.42	9236.90	739.94	-9207.21	40°32'39.5566"N	104°47'34.7325"W	0.00	PROJECTION TO BIT (2137'FSL & 8'FWL, SEC.28)

HOLE & CASING SECTIONS - Ref Wellbore: G & D HANKS O-27-28HN AWB Ref Wellpath: G & D HANKS O-27-28HN 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]
9.625in Casing Surface	25.00	1550.00	1525.00	25.00	1520.05	0.00	0.00	102.97	204.85



REFERENCE WELLPATH IDENTIFICATION			
Operator	BAYSWATER E&P, LLC	Well	G & D HANKS O-27-28HN
Field	WELD COUNTY (NAD83/TRUE NORTH)	API	05-123-46029
Facility	SEC.27-T07N-R66W	Wellbore	G & D HANKS O-27-28HN AWB
Slot	SLOT#04 G & D HANKS O-27-28HN (1303'FSL & 1574'FEL,SEC.27)		

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
G & D HANKS O-27-28HN WP4 (2300'SSTVD@12200'MD)	7200.00	802.00	-3257.79	3202439.27	1442032.11	40°32'40.1847"N	104°46'17.6693"W	point
G & D HANKS O-27-28HN WP5 (2300'SSTVD@14000'MD)	7200.00	782.32	-5057.68	3200639.66	1441997.41	40°32'39.9872"N	104°46'40.9834"W	point
G & D HANKS O-27-28HN LP PLAT (2140'FSL & 470'FEL,SEC.27)	7210.00	849.62	1098.36	3206794.73	1442116.09	40°32'40.6572"N	104°45'21.2436"W	point
G & D HANKS O-27-28HN WP2 (2310'SSTVD@10500'MD)	7210.00	820.58	-1557.89	3204138.90	1442064.88	40°32'40.3700"N	104°45'55.6503"W	point
G & D HANKS O-27-28HN WP3 (2310'SSTVD@11800'MD)	7210.00	806.37	-2857.81	3202839.18	1442039.82	40°32'40.2284"N	104°46'12.4884"W	point
G & D HANKS O-27-28HN BHL REV-1 (2140'FSL & 5'FWL,SEC.28)	7220.00	736.92	-9209.93	3196488.07	1441917.36	40°32'39.5268"N	104°47'34.7676"W	point
G & D HANKS O-27-28HN LP REV-1 (2140'FSL & 470'FEL,SEC.27)	7230.00	849.62	1098.36	3206794.73	1442116.09	40°32'40.6572"N	104°45'21.2436"W	point
G & D HANKS O-27-28HN WP1 (2330'SSTVD@8100'MD)	7230.00	846.82	841.96	3206538.37	1442111.15	40°32'40.6296"N	104°45'24.5648"W	point
G & D HANKS O-27-28HN BHL PLAT (2140'FSL & 5'FWL,SEC.28)	7270.00	736.92	-9209.93	3196488.07	1441917.36	40°32'39.5268"N	104°47'34.7676"W	point
SEC.27-T07N-R66W	9998.00	-75.05	-0.28	3205703.88	1441182.31	40°32'31.5204"N	104°45'35.4744"W	polygon
	2D Polygon: dimensions not calculated							
SEC.28-T07N-R66W	9998.00	-75.05	-0.28	3205703.88	1441182.31	40°32'31.5204"N	104°45'35.4744"W	polygon
	2D Polygon: dimensions not calculated							

WELLPATH COMPOSITION - Ref Wellbore: G & D HANKS O-27-28HN AWB					Ref Wellpath: G & D HANKS O-27-28HN AWP	
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment		Wellbore	Survey Date
25.00	1508.00	BHI NaviTrak (Rotating+Axial Corr)	BHI NAVITRAK (ROTATING+AXIAL CORR) <147-1508>		G & D HANKS O-27-28HN AWB	
1508.00	18150.00	BH AutoTrak Curve (Short)	BHI AUTOTRAK CURVE (SHORT) <1597-18125>		G & D HANKS O-27-28HN AWB	



**Actual Wellpath Report**  
**G & D HANKS O-27-28HN AWP**  
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BAYSWATER E&P, LLC	Well	G & D HANKS O-27-28HN
Field	WELD COUNTY (NAD83/TRUE NORTH)	API	05-123-46029
Facility	SEC.27-T07N-R66W	Wellbore	G & D HANKS O-27-28HN AWB
Slot	SLOT#04 G & D HANKS O-27-28HN (1303'FSL & 1574'FEL,SEC.27)		

WELLPATH COMMENTS				
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
18125.00	89.570	266.140	7219.23	LAST BHGE MWD SURVEY (2145'FSL & 33'FWL, SEC.28)
18150.00	89.570	266.140	7219.42	PROJECTION TO BIT (2137'FSL & 8'FWL, SEC.28)