

REFERENCE WELLPATH IDENTIFICATION

Operator	BAYSWATER E&P, LLC	Well	G & D HANKS P-27-28HN
Field	WELD COUNTY (NAD83/TRUE NORTH)	API	05-123-46032
Facility	SEC.27-T07N-R66W	Wellbore	G & D HANKS P-27-28HN AWB
Slot	SLOT#05 G & D HANKS P-27-28HN (1288'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 12:22:21 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	-60.11	0.00	3205703.66	1441242.42	40°32'32.1144"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#05 G & D HANKS P-27-28HN (1288'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	272.80°

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WELLPATH DATA (192 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	194.260	0.00	0.00	0.00	0.00	40°32'32.1144"N	104°45'35.4708"W	0.00	
25.00	0.000	194.260	25.00	0.00	0.00	0.00	40°32'32.1144"N	104°45'35.4708"W	0.00	
232.00	0.340	194.260	232.00	0.12	-0.60	-0.15	40°32'32.1085"N	104°45'35.4728"W	0.16	
326.00	1.160	119.220	325.99	-0.67	-1.33	0.61	40°32'32.1013"N	104°45'35.4629"W	1.19	
419.00	2.560	85.920	418.94	-3.58	-1.64	3.50	40°32'32.0982"N	104°45'35.4254"W	1.84	
514.00	4.340	76.140	513.77	-9.13	-0.63	9.11	40°32'32.1082"N	104°45'35.3528"W	1.97	
608.00	6.220	73.290	607.36	-17.34	1.69	17.44	40°32'32.1311"N	104°45'35.2449"W	2.02	
703.00	8.170	71.660	701.61	-28.49	5.29	28.78	40°32'32.1667"N	104°45'35.0980"W	2.06	
797.00	10.470	70.320	794.36	-42.61	10.27	43.16	40°32'32.2159"N	104°45'34.9117"W	2.46	
892.00	12.510	69.930	887.46	-60.07	16.71	60.96	40°32'32.2795"N	104°45'34.6812"W	2.15	
987.00	14.470	71.230	979.83	-80.59	24.06	81.86	40°32'32.3521"N	104°45'34.4105"W	2.09	
1082.00	16.090	71.100	1071.47	-103.86	32.14	105.55	40°32'32.4320"N	104°45'34.1036"W	1.71	
1177.00	17.180	68.470	1162.49	-128.87	41.56	131.06	40°32'32.5250"N	104°45'33.7732"W	1.39	
1271.00	16.790	65.860	1252.39	-153.62	52.20	156.37	40°32'32.6302"N	104°45'33.4454"W	0.91	
1366.00	15.730	63.160	1343.59	-177.05	63.63	180.38	40°32'32.7431"N	104°45'33.1344"W	1.37	
1460.00	15.940	65.810	1434.03	-199.63	74.67	203.52	40°32'32.8523"N	104°45'32.8346"W	0.80	
1515.00	15.450	67.220	1486.98	-212.96	80.60	217.17	40°32'32.9109"N	104°45'32.6579"W	1.13	
1593.00	15.910	69.010	1562.08	-232.12	88.46	236.73	40°32'32.9884"N	104°45'32.4045"W	0.86	
1686.00	16.580	70.670	1651.36	-256.07	97.41	261.15	40°32'33.0770"N	104°45'32.0882"W	0.88	
1781.00	16.790	69.370	1742.36	-281.22	106.73	286.78	40°32'33.1691"N	104°45'31.7562"W	0.45	
1876.00	16.710	69.410	1833.33	-306.34	116.37	312.41	40°32'33.2643"N	104°45'31.4243"W	0.09	
1971.00	16.740	70.330	1924.31	-331.52	125.78	338.08	40°32'33.3573"N	104°45'31.0918"W	0.28	
2064.00	16.750	69.250	2013.37	-356.18	135.04	363.22	40°32'33.4487"N	104°45'30.7661"W	0.33	
2158.00	16.750	70.190	2103.38	-381.10	144.43	388.63	40°32'33.5415"N	104°45'30.4370"W	0.29	
2252.00	16.700	71.180	2193.41	-406.16	153.37	414.16	40°32'33.6299"N	104°45'30.1063"W	0.31	
2346.00	16.780	75.490	2283.43	-431.67	161.13	440.08	40°32'33.7066"N	104°45'29.7706"W	1.32	
2440.00	16.720	74.430	2373.44	-457.45	168.16	466.24	40°32'33.7760"N	104°45'29.4317"W	0.33	
2535.00	16.780	76.230	2464.41	-483.57	175.09	492.72	40°32'33.8445"N	104°45'29.0887"W	0.55	
2629.00	16.650	77.730	2554.44	-509.57	181.18	519.06	40°32'33.9047"N	104°45'28.7475"W	0.48	
2723.00	16.970	79.970	2644.42	-535.95	186.43	545.73	40°32'33.9566"N	104°45'28.4021"W	0.77	
2817.00	16.710	78.890	2734.39	-562.45	191.43	572.50	40°32'34.0059"N	104°45'28.0554"W	0.43	
2912.00	16.800	79.650	2825.36	-589.07	196.53	599.40	40°32'34.0563"N	104°45'27.7068"W	0.25	
3007.00	16.940	76.880	2916.27	-615.75	202.13	626.39	40°32'34.1117"N	104°45'27.3573"W	0.86	
3101.00	16.600	73.270	3006.27	-641.57	209.11	652.59	40°32'34.1806"N	104°45'27.0180"W	1.17	
3196.00	16.830	70.690	3097.26	-667.10	217.56	678.56	40°32'34.2641"N	104°45'26.6815"W	0.82	
3291.00	16.680	70.460	3188.23	-692.46	226.67	704.39	40°32'34.3541"N	104°45'26.3470"W	0.17	
3386.00	16.660	66.180	3279.24	-717.24	236.73	729.70	40°32'34.4535"N	104°45'26.0192"W	1.29	
3480.00	16.590	63.950	3369.31	-741.04	248.07	754.08	40°32'34.5655"N	104°45'25.7034"W	0.68	
3575.00	16.600	67.690	3460.36	-765.21	259.17	778.82	40°32'34.6753"N	104°45'25.3829"W	1.12	
3669.00	16.720	68.040	3550.41	-789.64	269.33	803.78	40°32'34.7756"N	104°45'25.0596"W	0.17	
3763.00	15.070	73.540	3640.82	-813.46	277.85	828.04	40°32'34.8598"N	104°45'24.7453"W	2.37	
3858.00	16.580	82.200	3732.23	-838.45	283.19	853.32	40°32'34.9125"N	104°45'24.4179"W	2.95	
3952.00	16.940	78.680	3822.24	-864.91	287.70	880.04	40°32'34.9571"N	104°45'24.0718"W	1.15	
4047.00	16.850	70.910	3913.15	-891.11	294.92	906.62	40°32'35.0284"N	104°45'23.7274"W	2.38	
4141.00	16.770	63.950	4003.14	-915.63	305.33	931.68	40°32'35.1313"N	104°45'23.4028"W	2.14	

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Slot	SLOT#05 G & D HANKS P-27-28HN (1288'FSL & 1574'FEL,SEC.27)		

WELLPATH DATA (192 stations)										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
4236.00	16.850	61.770	4094.08	-939.43	317.86	956.13	40°32'35.2551"N	104°45'23.0862"W	0.67	
4330.00	16.700	60.260	4184.08	-962.49	331.00	979.86	40°32'35.3850"N	104°45'22.7788"W	0.49	
4425.00	16.740	64.670	4275.07	-986.06	343.63	1004.08	40°32'35.5097"N	104°45'22.4651"W	1.34	
4520.00	16.690	70.890	4366.06	-1010.79	353.95	1029.34	40°32'35.6117"N	104°45'22.1380"W	1.88	
4614.00	16.970	74.870	4456.04	-1036.36	361.95	1055.33	40°32'35.6907"N	104°45'21.8012"W	1.26	
4802.00	16.850	75.750	4635.91	-1088.51	375.82	1108.23	40°32'35.8277"N	104°45'21.1161"W	0.15	
4897.00	16.890	74.930	4726.82	-1114.81	382.79	1134.90	40°32'35.8967"N	104°45'20.7706"W	0.25	
4992.00	16.930	74.380	4817.72	-1141.07	390.11	1161.55	40°32'35.9689"N	104°45'20.4254"W	0.17	
5087.00	16.880	73.470	4908.61	-1167.21	397.76	1188.09	40°32'36.0445"N	104°45'20.0816"W	0.28	
5181.00	16.870	72.780	4998.56	-1192.90	405.68	1214.20	40°32'36.1227"N	104°45'19.7434"W	0.21	
5276.00	17.170	71.150	5089.40	-1218.88	414.29	1240.64	40°32'36.2078"N	104°45'19.4009"W	0.59	
5371.00	16.750	66.450	5180.28	-1244.18	424.29	1266.46	40°32'36.3066"N	104°45'19.0665"W	1.51	
5465.00	16.970	67.160	5270.24	-1268.69	435.02	1291.52	40°32'36.4127"N	104°45'18.7419"W	0.32	
5560.00	16.370	72.930	5361.25	-1293.78	444.34	1317.10	40°32'36.5047"N	104°45'18.4106"W	1.85	
5654.00	16.540	74.890	5451.40	-1318.97	451.71	1342.68	40°32'36.5776"N	104°45'18.0792"W	0.62	
5748.00	16.520	75.930	5541.52	-1344.49	458.45	1368.56	40°32'36.6441"N	104°45'17.7440"W	0.32	
5843.00	16.650	79.670	5632.57	-1370.67	464.17	1395.05	40°32'36.7007"N	104°45'17.4009"W	1.13	
5938.00	16.410	81.960	5723.64	-1397.10	468.49	1421.73	40°32'36.7433"N	104°45'17.0553"W	0.73	
6033.00	16.760	83.510	5814.69	-1423.80	471.92	1448.62	40°32'36.7772"N	104°45'16.7069"W	0.59	
6127.00	16.560	74.200	5904.76	-1449.88	477.10	1474.98	40°32'36.8283"N	104°45'16.3655"W	2.84	
6222.00	16.320	67.340	5995.88	-1474.76	485.93	1500.33	40°32'36.9156"N	104°45'16.0371"W	2.06	
6317.00	16.660	64.370	6086.98	-1498.79	496.96	1524.93	40°32'37.0246"N	104°45'15.7185"W	0.96	
6412.00	15.650	67.620	6178.23	-1522.36	507.73	1549.05	40°32'37.1310"N	104°45'15.4060"W	1.43	
6506.00	17.020	67.630	6268.43	-1546.28	517.79	1573.50	40°32'37.2304"N	104°45'15.0893"W	1.46	
6601.00	16.660	66.810	6359.36	-1571.11	528.45	1598.87	40°32'37.3357"N	104°45'14.7607"W	0.45	
6790.00	16.890	63.090	6540.32	-1619.31	551.54	1648.26	40°32'37.5639"N	104°45'14.1209"W	0.58	
6885.00	8.830	58.300	6632.86	-1637.33	561.64	1666.80	40°32'37.6636"N	104°45'13.8808"W	8.55	
6980.00	0.210	349.470	6727.48	-1643.31	565.65	1672.99	40°32'37.7032"N	104°45'13.8006"W	9.22	
7074.00	9.150	283.670	6821.08	-1635.91	567.59	1665.68	40°32'37.7224"N	104°45'13.8953"W	9.64	
7169.00	18.380	286.760	6913.25	-1613.91	573.70	1643.95	40°32'37.7828"N	104°45'14.1768"W	9.74	
7264.00	27.610	278.890	7000.63	-1577.40	581.44	1607.77	40°32'37.8594"N	104°45'14.6454"W	10.22	
7359.00	36.850	273.830	7080.92	-1526.91	586.76	1557.48	40°32'37.9119"N	104°45'15.2968"W	10.13	
7452.00	46.400	271.630	7150.56	-1465.43	589.58	1496.06	40°32'37.9398"N	104°45'16.0923"W	10.00	
7547.00	56.000	267.670	7210.26	-1391.82	588.95	1422.34	40°32'37.9337"N	104°45'17.0473"W	10.97	
7642.00	66.280	266.800	7256.05	-1309.13	584.91	1339.35	40°32'37.8938"N	104°45'18.1223"W	10.85	
7736.00	76.360	266.840	7286.12	-1220.68	579.98	1250.55	40°32'37.8451"N	104°45'19.2725"W	10.72	
7830.00	84.670	267.840	7301.60	-1128.46	575.69	1158.02	40°32'37.8028"N	104°45'20.4710"W	8.90	
7924.00	90.400	268.630	7305.64	-1034.89	572.80	1064.19	40°32'37.7742"N	104°45'21.6864"W	6.15	
8019.00	90.400	268.270	7304.97	-940.17	570.23	969.22	40°32'37.7489"N	104°45'22.9165"W	0.38	
8113.00	90.830	266.590	7303.97	-846.59	566.02	875.33	40°32'37.7073"N	104°45'24.1327"W	1.84	
8208.00	90.830	266.490	7302.59	-752.17	560.28	780.51	40°32'37.6507"N	104°45'25.3609"W	0.11	
8302.00	90.710	266.070	7301.33	-658.78	554.19	686.72	40°32'37.5904"N	104°45'26.5758"W	0.46	
8397.00	90.860	265.540	7300.02	-564.50	547.24	591.98	40°32'37.5218"N	104°45'27.8029"W	0.58	
8491.00	90.650	261.080	7298.79	-471.82	536.29	498.65	40°32'37.4136"N	104°45'29.0118"W	4.75	
8586.00	90.990	264.510	7297.43	-378.29	524.38	404.43	40°32'37.2959"N	104°45'30.2323"W	3.63	

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8681.00	90.980	267.420	7295.79	-283.99	517.69	309.69	40°32'37.2299"N	104°45'31.4594"W	3.06	
8775.00	91.080	268.090	7294.10	-190.37	514.01	215.77	40°32'37.1936"N	104°45'32.6759"W	0.72	
8870.00	91.230	267.860	7292.19	-95.73	510.66	120.85	40°32'37.1604"N	104°45'33.9054"W	0.29	
8964.00	91.290	268.730	7290.12	-2.04	507.86	26.92	40°32'37.1328"N	104°45'35.1221"W	0.93	
9058.00	90.950	269.510	7288.28	91.75	506.42	-67.05	40°32'37.1185"N	104°45'36.3393"W	0.91	
9153.00	91.350	270.510	7286.38	186.61	506.43	-162.03	40°32'37.1187"N	104°45'37.5696"W	1.13	
9247.00	91.110	271.850	7284.36	280.55	508.37	-255.99	40°32'37.1378"N	104°45'38.7866"W	1.45	
9342.00	91.020	271.670	7282.59	375.52	511.29	-350.93	40°32'37.1666"N	104°45'40.0163"W	0.21	
9436.00	90.950	273.110	7280.98	469.50	515.21	-444.83	40°32'37.2053"N	104°45'41.2326"W	1.53	
9530.00	90.490	273.530	7279.80	563.49	520.65	-538.66	40°32'37.2591"N	104°45'42.4481"W	0.66	
9625.00	90.430	273.220	7279.03	658.48	526.24	-633.49	40°32'37.3143"N	104°45'43.6764"W	0.33	
9719.00	91.080	276.110	7277.79	752.41	533.88	-727.16	40°32'37.3898"N	104°45'44.8897"W	3.15	
9814.00	90.490	276.410	7276.49	847.23	544.24	-821.59	40°32'37.4921"N	104°45'46.1128"W	0.70	
9908.00	90.400	275.150	7275.76	941.10	553.71	-915.11	40°32'37.5856"N	104°45'47.3241"W	1.34	
10002.00	90.340	273.320	7275.15	1035.06	560.65	-1008.84	40°32'37.6542"N	104°45'48.5383"W	1.95	
10096.00	90.340	271.070	7274.60	1129.05	564.25	-1102.77	40°32'37.6897"N	104°45'49.7549"W	2.39	
10191.00	90.220	267.870	7274.13	1223.88	563.37	-1197.75	40°32'37.6810"N	104°45'50.9852"W	3.37	
10285.00	90.280	266.100	7273.72	1317.39	558.43	-1291.61	40°32'37.6321"N	104°45'52.2010"W	1.88	
10380.00	90.310	263.650	7273.23	1411.47	549.94	-1386.23	40°32'37.5482"N	104°45'53.4265"W	2.58	
10474.00	90.250	261.780	7272.77	1504.01	538.02	-1479.46	40°32'37.4304"N	104°45'54.6342"W	1.99	
10569.00	90.250	263.280	7272.36	1597.49	525.67	-1573.65	40°32'37.3083"N	104°45'55.8542"W	1.58	
10663.00	90.280	264.160	7271.92	1690.30	515.39	-1667.09	40°32'37.2066"N	104°45'57.0645"W	0.94	
10758.00	90.120	265.960	7271.59	1784.43	507.21	-1761.73	40°32'37.1257"N	104°45'58.2904"W	1.90	
10853.00	90.120	266.360	7271.39	1878.79	500.85	-1856.51	40°32'37.0628"N	104°45'59.5181"W	0.42	
10947.00	90.060	266.500	7271.25	1972.21	494.99	-1950.33	40°32'37.0049"N	104°46'0.7333"W	0.16	
11042.00	90.280	269.230	7270.96	2066.85	491.46	-2045.26	40°32'36.9698"N	104°46'1.9629"W	2.88	
11137.00	90.370	273.790	7270.43	2161.80	493.96	-2140.20	40°32'36.9945"N	104°46'3.1926"W	4.80	
11231.00	90.180	271.530	7269.97	2255.79	498.32	-2234.09	40°32'37.0375"N	104°46'4.4088"W	2.41	
11326.00	90.150	272.260	7269.70	2350.78	501.46	-2329.04	40°32'37.0685"N	104°46'5.6387"W	0.77	
11515.00	90.400	272.510	7268.79	2539.77	509.33	-2517.87	40°32'37.1460"N	104°46'8.0846"W	0.19	
11609.00	90.120	272.250	7268.37	2633.77	513.23	-2611.79	40°32'37.1845"N	104°46'9.3011"W	0.41	
11704.00	90.460	271.510	7267.89	2728.75	516.35	-2706.73	40°32'37.2152"N	104°46'10.5310"W	0.86	
11798.00	90.520	271.990	7267.08	2822.73	519.22	-2800.69	40°32'37.2434"N	104°46'11.7479"W	0.51	
11893.00	90.490	271.030	7266.24	2917.71	521.72	-2895.65	40°32'37.2680"N	104°46'12.9780"W	1.01	
11988.00	90.250	272.000	7265.63	3012.68	524.23	-2990.61	40°32'37.2928"N	104°46'14.2081"W	1.05	
12082.00	90.250	270.350	7265.22	3106.64	526.16	-3084.59	40°32'37.3117"N	104°46'15.4253"W	1.76	
12176.00	90.120	268.150	7264.92	3200.45	524.93	-3178.57	40°32'37.2994"N	104°46'16.6427"W	2.34	
12271.00	90.250	265.840	7264.61	3294.95	519.95	-3273.44	40°32'37.2501"N	104°46'17.8715"W	2.44	
12365.00	90.120	268.770	7264.31	3388.51	515.53	-3367.32	40°32'37.2063"N	104°46'19.0875"W	3.12	
12460.00	90.120	269.790	7264.11	3483.33	514.34	-3462.31	40°32'37.1944"N	104°46'20.3179"W	1.07	
12555.00	90.090	267.400	7263.93	3578.07	512.01	-3557.28	40°32'37.1712"N	104°46'21.5480"W	2.52	
12650.00	89.880	267.140	7263.96	3672.62	507.48	-3652.17	40°32'37.1264"N	104°46'22.7771"W	0.35	
12744.00	90.310	268.990	7263.80	3766.30	504.31	-3746.11	40°32'37.0949"N	104°46'23.9939"W	2.02	
12838.00	90.060	269.770	7263.50	3860.13	503.29	-3840.10	40°32'37.0847"N	104°46'25.2114"W	0.87	
12933.00	90.150	271.530	7263.33	3955.06	504.37	-3935.09	40°32'37.0952"N	104°46'26.4418"W	1.86	

Actual Wellpath Report

G & D HANKS P-27-28HN AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BAYSWATER E&P, LLC	Well	G & D HANKS P-27-28HN
Field	WELD COUNTY (NAD83/TRUE NORTH)	API	05-123-46032
Facility	SEC.27-T07N-R66W	Wellbore	G & D HANKS P-27-28HN AWB
Slot	SLOT#05 G & D HANKS P-27-28HN (1288'FSL & 1574'FEL,SEC.27)		

WELLPATH DATA (192 stations)										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
13028.00	90.000	271.580	7263.20	4050.04	506.95	-4030.06	40°32'37.1205"N	104°46'27.6719"W	0.17	
13123.00	90.340	271.010	7262.92	4145.00	509.09	-4125.03	40°32'37.1416"N	104°46'28.9021"W	0.70	
13218.00	90.250	269.490	7262.43	4239.90	509.51	-4220.03	40°32'37.1455"N	104°46'30.1326"W	1.60	
13312.00	89.940	269.360	7262.27	4333.74	508.57	-4314.02	40°32'37.1360"N	104°46'31.3501"W	0.36	
13407.00	90.340	268.760	7262.04	4428.54	507.01	-4409.01	40°32'37.1204"N	104°46'32.5804"W	0.76	
13502.00	90.030	269.090	7261.74	4523.32	505.22	-4503.99	40°32'37.1027"N	104°46'33.8107"W	0.48	
13596.00	90.490	267.910	7261.31	4617.05	502.76	-4597.96	40°32'37.0782"N	104°46'35.0279"W	1.35	
13691.00	89.750	268.020	7261.11	4711.71	499.39	-4692.90	40°32'37.0447"N	104°46'36.2576"W	0.79	
13786.00	90.620	267.570	7260.80	4806.35	495.74	-4787.83	40°32'37.0084"N	104°46'37.4872"W	1.03	
13880.00	89.850	269.770	7260.42	4900.09	493.55	-4881.79	40°32'36.9866"N	104°46'38.7043"W	2.48	
13974.00	89.820	270.190	7260.69	4993.98	493.52	-4975.79	40°32'36.9861"N	104°46'39.9219"W	0.45	
14068.00	89.690	271.660	7261.09	5087.92	495.04	-5069.78	40°32'37.0009"N	104°46'41.1393"W	1.57	
14162.00	89.050	272.110	7262.12	5181.91	498.13	-5163.72	40°32'37.0313"N	104°46'42.3561"W	0.83	
14257.00	89.450	272.510	7263.37	5276.89	501.96	-5258.63	40°32'37.0689"N	104°46'43.5855"W	0.60	
14351.00	89.140	272.580	7264.52	5370.89	506.13	-5352.53	40°32'37.1100"N	104°46'44.8018"W	0.34	
14446.00	89.200	272.960	7265.90	5465.88	510.72	-5447.41	40°32'37.1551"N	104°46'46.0308"W	0.40	
14541.00	89.350	272.520	7267.10	5560.87	515.26	-5542.30	40°32'37.1998"N	104°46'47.2598"W	0.49	
14636.00	88.980	269.490	7268.49	5655.80	516.93	-5637.26	40°32'37.2160"N	104°46'48.4899"W	3.21	
14730.00	89.320	269.550	7269.88	5749.63	516.14	-5731.25	40°32'37.2080"N	104°46'49.7073"W	0.37	
14825.00	89.420	268.880	7270.93	5844.44	514.84	-5826.23	40°32'37.1949"N	104°46'50.9376"W	0.71	
14920.00	89.510	268.150	7271.81	5939.17	512.38	-5921.19	40°32'37.1704"N	104°46'52.1677"W	0.77	
15014.00	90.620	267.630	7271.71	6032.82	508.92	-6015.13	40°32'37.1360"N	104°46'53.3844"W	1.30	
15108.00	89.350	269.220	7271.73	6126.54	506.34	-6109.09	40°32'37.1102"N	104°46'54.6014"W	2.16	
15203.00	89.570	268.670	7272.63	6221.32	504.59	-6204.07	40°32'37.0927"N	104°46'55.8317"W	0.62	
15297.00	89.480	267.260	7273.41	6314.98	501.25	-6298.00	40°32'37.0595"N	104°46'57.0484"W	1.50	
15392.00	89.350	266.160	7274.38	6409.44	495.80	-6392.84	40°32'37.0054"N	104°46'58.2768"W	1.17	
15487.00	89.380	264.420	7275.43	6503.62	488.00	-6487.51	40°32'36.9281"N	104°46'59.5031"W	1.83	
15581.00	89.420	264.490	7276.41	6596.61	478.91	-6581.06	40°32'36.8381"N	104°47'0.7148"W	0.09	
15676.00	89.820	265.860	7277.04	6690.77	470.92	-6675.72	40°32'36.7589"N	104°47'1.9409"W	1.50	
15770.00	89.290	265.560	7277.77	6784.05	463.89	-6769.46	40°32'36.6891"N	104°47'3.1550"W	0.65	
15865.00	90.180	265.530	7278.21	6878.28	456.51	-6864.17	40°32'36.6159"N	104°47'4.3818"W	0.94	
15960.00	89.820	265.960	7278.21	6972.56	449.47	-6958.91	40°32'36.5460"N	104°47'5.6089"W	0.59	
16055.00	90.120	267.930	7278.26	7067.06	444.40	-7053.77	40°32'36.4957"N	104°47'6.8376"W	2.10	
16150.00	89.910	272.190	7278.24	7161.93	444.50	-7148.74	40°32'36.4965"N	104°47'8.0678"W	4.49	
16244.00	89.910	272.340	7278.38	7255.93	448.22	-7242.67	40°32'36.5329"N	104°47'9.2844"W	0.16	
16339.00	89.780	271.230	7278.64	7350.91	451.18	-7337.62	40°32'36.5619"N	104°47'10.5144"W	1.18	
16434.00	89.720	271.070	7279.06	7445.87	453.08	-7432.60	40°32'36.5804"N	104°47'11.7446"W	0.18	
16528.00	90.340	271.620	7279.01	7539.84	455.29	-7526.57	40°32'36.6019"N	104°47'12.9619"W	0.88	
16623.00	89.880	276.330	7278.82	7634.79	461.87	-7621.32	40°32'36.6667"N	104°47'14.1891"W	4.98	
16718.00	90.120	275.310	7278.82	7729.66	471.51	-7715.83	40°32'36.7616"N	104°47'15.4133"W	1.10	
16813.00	89.850	273.220	7278.85	7824.62	478.57	-7810.56	40°32'36.8311"N	104°47'16.6404"W	2.22	
16906.00	90.000	272.620	7278.97	7917.62	483.31	-7903.44	40°32'36.8776"N	104°47'17.8435"W	0.67	
17001.00	89.720	271.400	7279.20	8012.61	486.64	-7998.38	40°32'36.9103"N	104°47'19.0732"W	1.32	
17095.00	90.090	269.800	7279.36	8106.54	487.62	-8092.37	40°32'36.9197"N	104°47'20.2907"W	1.75	
17189.00	90.000	267.640	7279.29	8200.29	485.53	-8186.34	40°32'36.8986"N	104°47'21.5079"W	2.30	

Actual Wellpath Report

G & D HANKS P-27-28HN AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BAYSWATER E&P, LLC	Well	G & D HANKS P-27-28HN
Field	WELD COUNTY (NAD83/TRUE NORTH)	API	05-123-46032
Facility	SEC.27-T07N-R66W	Wellbore	G & D HANKS P-27-28HN AWB
Slot	SLOT#05 G & D HANKS P-27-28HN (1288'FSL & 1574'FEL, SEC.27)		

WELLPATH DATA (192 stations) † = interpolated, ‡ = extrapolated station										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
17283.00	89.850	267.830	7279.41	8293.92	481.81	-8280.27	40°32'36.8616"N	104°47'22.7245"W	0.26	
17377.00	89.850	267.840	7279.65	8387.57	478.26	-8374.20	40°32'36.8262"N	104°47'23.9412"W	0.01	
17472.00	89.940	269.090	7279.83	8482.30	475.71	-8469.16	40°32'36.8007"N	104°47'25.1712"W	1.32	
17566.00	89.940	268.890	7279.93	8576.09	474.06	-8563.15	40°32'36.7840"N	104°47'26.3886"W	0.21	
17660.00	89.940	268.940	7280.03	8669.87	472.28	-8657.13	40°32'36.7661"N	104°47'27.6059"W	0.05	
17755.00	89.850	268.510	7280.20	8764.63	470.16	-8752.11	40°32'36.7449"N	104°47'28.8362"W	0.46	
17849.00	89.850	266.790	7280.45	8858.25	466.31	-8846.02	40°32'36.7065"N	104°47'30.0526"W	1.83	
17944.00	89.780	265.740	7280.75	8952.63	460.12	-8940.82	40°32'36.6450"N	104°47'31.2805"W	1.11	
18038.00	89.940	265.970	7280.98	9045.93	453.33	-9034.58	40°32'36.5775"N	104°47'32.4949"W	0.30	
18132.00	90.090	265.470	7280.96	9139.22	446.31	-9128.31	40°32'36.5079"N	104°47'33.7090"W	0.56	
18199.00	90.000	268.180	7280.90	9205.85	442.60	-9195.20	40°32'36.4710"N	104°47'34.5754"W	4.05	LAST BHGE MWD SURVEY (1831'FSL & 31'FWL, SEC.28)
18224.00‡	90.000	268.180	7280.90	9230.76	441.81	-9220.19	40°32'36.4630"N	104°47'34.8991"W	0.00	PROJECTION TO BIT (1830'FSL & 6'FWL, SEC.28)

HOLE & CASING SECTIONS - Ref Wellbore: G & D HANKS P-27-28HN AWB Ref Wellpath: G & D HANKS P-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	1552.00	1527.00	25.00	1522.62	0.00	0.00	84.38	226.34

REFERENCE WELLPATH IDENTIFICATION			
Operator	BAYSWATER E&P, LLC	Well	G & D HANKS P-27-28HN
Field	WELD COUNTY (NAD83/TRUE NORTH)	API	05-123-46032
Facility	SEC.27-T07N-R66W	Wellbore	G & D HANKS P-27-28HN AWB
Slot	SLOT#05 G & D HANKS P-27-28HN (1288'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 P-27-28HN WP2 (2370'SSTVD@12300'MD)	7270.00	516.34	-3316.37	3202383.20	1441731.05	40°32'37.2144"N	104°46'18.4276"W	point
G & D HANKS P-27-28HN WP3 (2370'SSTVD@14100'MD)	7270.00	496.62	-5116.26	3200583.60	1441696.31	40°32'37.0165"N	104°46'41.7413"W	point
G & D HANKS P-27-28HN BHL REV-1 (1840'FSL & 5'FWL,SEC.28)	7285.00	451.66	-9220.88	3196479.63	1441617.09	40°32'36.5604"N	104°47'34.9080"W	point
G & D HANKS P-27-28HN WP1 (2385'SSTVD@9700'MD)	7285.00	544.82	-716.53	3204982.63	1441781.23	40°32'37.4979"N	104°45'44.7520"W	point
G & D HANKS P-27-28HN WP4 (2385'SSTVD@15900'MD)	7285.00	476.91	-6916.14	3198784.00	1441661.58	40°32'36.8174"N	104°47'5.0550"W	point
G & D HANKS P-27-28HN LP PLAT (1840'FSL & 470'FEL,SEC.27)	7290.00	564.72	1100.04	3206798.91	1441816.29	40°32'37.6944"N	104°45'21.2220"W	point
G & D HANKS P-27-28HN LP REV-1 (1840'FSL & 470'FEL,SEC.27)	7305.00	564.72	1100.04	3206798.91	1441816.29	40°32'37.6944"N	104°45'21.2220"W	point
G & D HANKS P-27-28HN BHL PLAT (1840'FSL & 5'FWL,SEC.28)	7335.00	451.66	-9220.88	3196479.63	1441617.09	40°32'36.5604"N	104°47'34.9080"W	point
SEC.27-T07N-R66W	9998.00	-60.11	-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	-60.11	-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 P-27-28HN AWB Ref Wellpath: G & D HANKS P-27-28HN AWP					
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
25.00	1515.00	BHI NaviTrak (Rotating+Axial Corr)	BHI NAVITRAK (ROTATING+AXIAL CORR) <232-1515>	G & D HANKS P-27-28HN AWB	
1515.00	18224.00	BH AutoTrak Curve (Short)	BHI AUTOTRAK CURVE (SHORT) <1593-18199>	G & D HANKS P-27-28HN AWB	



Actual Wellpath Report

G & D HANKS P-27-28HN AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BAYSWATER E&P, LLC	Well	G & D HANKS P-27-28HN
Field	WELD COUNTY (NAD83/TRUE NORTH)	API	05-123-46032
Facility	SEC.27-T07N-R66W	Wellbore	G & D HANKS P-27-28HN AWB
Slot	SLOT#05 G & D HANKS P-27-28HN (1288'FSL & 1574'FEL,SEC.27)		

WELLPATH COMMENTS				
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
18199.00	90.000	268.180	7280.90	LAST BHGE MWD SURVEY (1831'FSL & 31'FWL, SEC.28)
18224.00	90.000	268.180	7280.90	PROJECTION TO BIT (1830'FSL & 6'FWL, SEC.28)