





Actual Wellpath Report

GUTTERSEN 27N-5HZ AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANADARKO E&P COMPANY LP	Slot	SLOT#02 GUTTERSEN 27N-5HZ (150'FSL & 1650'FEL, SEC.5)
Area	COLORADO	Well	GUTTERSEN 27N-5HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	GUTTERSEN 27N-5HZ AWB
Facility	SEC.05-T3N-R63W		

REPORT SETUP INFORMATION

Projection System	NAD83 / Lambert Colorado SP, Northern Zone (501), US feet	Software System	WellArchitect® 3.0.2
North Reference	True	User	Wilsjef02
Scale	0.999957	Report Generated	1/20/2012 at 3:34:39 PM
Convergence at slot	0.67° East	Database/Source file	WA_ANADARKO/GUTTERSEN_27N-5HZ_AWB.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-0.30	-30.01	3290837.58	1334824.39	40°14'52.084"N	104°27'28.994"W
Facility Reference Pt			3290867.58	1334825.04	40°14'52.087"N	104°27'28.607"W
Field Reference Pt			3197771.84	1268891.29	40°04'09.600"N	104°47'36.000"W

WELLPATH DATUM

Calculation method	Minimum curvature	ENSIGN 145 (RKB) to Facility Vertical Datum	4880.00ft
Horizontal Reference Pt	Slot	ENSIGN 145 (RKB) to Mean Sea Level	4880.00ft
Vertical Reference Pt	ENSIGN 145 (RKB)	ENSIGN 145 (RKB) to Mud Line at Slot (SLOT#02 GUTTERSEN 27N-5HZ (150'FSL & 1650'FEL, SEC.5))	4880.00ft
MD Reference Pt	ENSIGN 145 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	0.89°



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Operator	ANADARKO E&P COMPANY LP	Slot	SLOT#02 GUTTERSEN 27N-5HZ (150'FSL & 1650'FEL, SEC.5)
Area	COLORADO	Well	GUTTERSEN 27N-5HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	GUTTERSEN 27N-5HZ AWB
Facility	SEC.05-T3N-R63W		

WELLPATH DATA (144 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
66.00	0.200	259.430	66.00	-0.02	-0.02	-0.09	40°14'52.084"N	104°27'28.995"W	0.00	
158.00	0.200	273.630	158.00	-0.05	-0.04	-0.41	40°14'52.084"N	104°27'28.999"W	0.05	
250.00	0.200	314.130	250.00	0.07	0.08	-0.68	40°14'52.085"N	104°27'29.003"W	0.15	
342.00	0.200	315.530	342.00	0.29	0.31	-0.91	40°14'52.087"N	104°27'29.006"W	0.01	
443.00	0.400	328.730	443.00	0.72	0.74	-1.22	40°14'52.091"N	104°27'29.010"W	0.21	
526.00	0.300	358.230	526.00	1.18	1.20	-1.37	40°14'52.096"N	104°27'29.012"W	0.24	
618.00	0.300	12.830	617.99	1.66	1.68	-1.33	40°14'52.101"N	104°27'29.011"W	0.08	
710.00	0.200	45.830	709.99	2.00	2.02	-1.16	40°14'52.104"N	104°27'29.009"W	0.19	Tie-Into Surface Surveys
784.00	0.420	253.550	783.99	2.02	2.04	-1.33	40°14'52.104"N	104°27'29.011"W	0.82	Begin BHI MWD Surveys
876.00	0.740	243.780	875.99	1.64	1.68	-2.18	40°14'52.101"N	104°27'29.022"W	0.36	
968.00	0.770	244.200	967.98	1.10	1.15	-3.27	40°14'52.095"N	104°27'29.036"W	0.03	
1060.00	0.490	238.840	1059.97	0.61	0.67	-4.17	40°14'52.091"N	104°27'29.048"W	0.31	
1153.00	0.590	241.930	1152.97	0.17	0.24	-4.93	40°14'52.086"N	104°27'29.058"W	0.11	
1244.00	0.590	144.590	1243.97	-0.44	-0.36	-5.07	40°14'52.080"N	104°27'29.059"W	0.97	
1336.00	0.830	106.430	1335.96	-1.00	-0.93	-4.16	40°14'52.075"N	104°27'29.048"W	0.56	
1432.00	0.900	131.030	1431.95	-1.67	-1.63	-2.92	40°14'52.068"N	104°27'29.032"W	0.39	
1527.00	1.080	109.730	1526.94	-2.44	-2.42	-1.52	40°14'52.060"N	104°27'29.014"W	0.43	
1622.00	0.910	131.300	1621.92	-3.22	-3.22	-0.11	40°14'52.052"N	104°27'28.995"W	0.43	
1717.00	0.900	112.880	1716.91	-3.99	-4.01	1.15	40°14'52.044"N	104°27'28.979"W	0.31	
1812.00	0.750	146.790	1811.90	-4.78	-4.82	2.17	40°14'52.036"N	104°27'28.966"W	0.53	
1907.00	0.180	236.160	1906.90	-5.38	-5.42	2.39	40°14'52.030"N	104°27'28.963"W	0.81	
2001.00	0.470	198.980	2000.90	-5.83	-5.87	2.14	40°14'52.026"N	104°27'28.966"W	0.37	
2096.00	0.510	320.730	2095.89	-5.88	-5.91	1.75	40°14'52.026"N	104°27'28.971"W	0.90	
2191.00	0.570	338.150	2190.89	-5.12	-5.14	1.31	40°14'52.033"N	104°27'28.977"W	0.18	
2285.00	0.680	340.750	2284.89	-4.17	-4.18	0.95	40°14'52.043"N	104°27'28.982"W	0.12	
2381.00	0.240	313.140	2380.88	-3.50	-3.51	0.61	40°14'52.049"N	104°27'28.986"W	0.50	
2476.00	1.030	358.940	2475.88	-2.51	-2.52	0.45	40°14'52.059"N	104°27'28.988"W	0.93	
2571.00	0.840	345.750	2570.86	-0.98	-0.99	0.27	40°14'52.074"N	104°27'28.991"W	0.30	
2666.00	0.970	334.240	2665.85	0.41	0.41	-0.26	40°14'52.088"N	104°27'28.997"W	0.23	
2761.00	1.000	323.910	2760.84	1.79	1.81	-1.09	40°14'52.102"N	104°27'29.008"W	0.19	
2856.00	0.420	337.190	2855.83	2.77	2.80	-1.72	40°14'52.112"N	104°27'29.016"W	0.63	
2951.00	0.740	245.500	2950.83	2.83	2.86	-2.41	40°14'52.112"N	104°27'29.025"W	0.91	
3046.00	0.950	345.160	3045.82	3.32	3.37	-3.17	40°14'52.117"N	104°27'29.035"W	1.37	
3141.00	0.560	6.150	3140.81	4.54	4.59	-3.32	40°14'52.129"N	104°27'29.037"W	0.50	
3235.00	0.210	130.140	3234.81	4.89	4.94	-3.14	40°14'52.133"N	104°27'29.035"W	0.74	
3330.00	0.870	90.820	3329.81	4.78	4.82	-2.29	40°14'52.132"N	104°27'29.023"W	0.76	
3425.00	1.020	88.090	3424.79	4.82	4.83	-0.72	40°14'52.132"N	104°27'29.003"W	0.16	
3520.00	0.570	86.140	3519.78	4.90	4.89	0.60	40°14'52.132"N	104°27'28.986"W	0.47	
3615.00	0.150	127.090	3614.78	4.87	4.85	1.17	40°14'52.132"N	104°27'28.979"W	0.49	
3710.00	0.410	143.020	3709.78	4.53	4.51	1.47	40°14'52.129"N	104°27'28.975"W	0.28	
3805.00	0.490	165.920	3804.78	3.87	3.84	1.77	40°14'52.122"N	104°27'28.971"W	0.21	
3899.00	0.590	175.310	3898.77	3.00	2.97	1.91	40°14'52.113"N	104°27'28.969"W	0.14	
3994.00	0.570	158.250	3993.77	2.07	2.04	2.13	40°14'52.104"N	104°27'28.967"W	0.18	
4089.00	0.620	186.400	4088.76	1.13	1.09	2.24	40°14'52.095"N	104°27'28.965"W	0.31	
4184.00	0.620	194.280	4183.76	0.11	0.08	2.06	40°14'52.085"N	104°27'28.967"W	0.09	
4279.00	0.800	196.190	4278.75	-1.03	-1.05	1.75	40°14'52.074"N	104°27'28.971"W	0.19	
4374.00	0.440	212.460	4373.74	-1.98	-2.00	1.37	40°14'52.064"N	104°27'28.976"W	0.42	
4468.00	0.480	238.500	4467.74	-2.49	-2.51	0.84	40°14'52.059"N	104°27'28.983"W	0.22	
4563.00	0.280	230.390	4562.74	-2.86	-2.86	0.32	40°14'52.056"N	104°27'28.990"W	0.22	
4658.00	0.100	222.850	4657.74	-3.07	-3.07	0.08	40°14'52.054"N	104°27'28.993"W	0.19	
4753.00	0.220	65.880	4752.74	-3.06	-3.06	0.19	40°14'52.054"N	104°27'28.991"W	0.33	
4848.00	0.910	26.260	4847.73	-2.30	-2.31	0.69	40°14'52.061"N	104°27'28.985"W	0.79	
4943.00	1.080	36.490	4942.72	-0.89	-0.91	1.56	40°14'52.075"N	104°27'28.974"W	0.26	
5038.00	1.240	41.490	5037.70	0.62	0.58	2.77	40°14'52.090"N	104°27'28.958"W	0.20	
5132.00	1.000	36.060	5131.68	2.06	2.00	3.93	40°14'52.104"N	104°27'28.943"W	0.28	
5227.00	0.710	70.010	5226.67	2.95	2.88	4.97	40°14'52.112"N	104°27'28.930"W	0.60	
5322.00	1.780	132.940	5321.65	2.17	2.07	6.61	40°14'52.104"N	104°27'28.909"W	1.67	
5417.00	2.590	157.500	5416.58	-0.78	-0.92	8.51	40°14'52.075"N	104°27'28.884"W	1.28	
5512.00	3.670	155.520	5511.44	-5.50	-5.67	10.59	40°14'52.028"N	104°27'28.857"W	1.14	
5607.00	4.800	160.060	5606.18	-11.96	-12.17	13.20	40°14'51.964"N	104°27'28.824"W	1.24	



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Field	WELD COUNTY (KERR MCGEE)	Wellbore	GUTTERSEN 27N-5HZ AWB
Facility	SEC.05-T3N-R63W		

WELLPATH DATA (144 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
5701.00	5.930	164.300	5699.77	-20.29	-20.54	15.86	40°14'51.881"N	104°27'28.789"W	1.27	
5796.00	7.630	169.460	5794.10	-31.18	-31.47	18.34	40°14'51.773"N	104°27'28.757"W	1.90	
5848.00	7.910	170.130	5845.62	-38.08	-38.39	19.59	40°14'51.705"N	104°27'28.741"W	0.57	
5893.00	6.960	169.150	5890.24	-43.79	-44.12	20.63	40°14'51.648"N	104°27'28.728"W	2.13	
5925.00	4.610	158.280	5922.08	-46.87	-47.22	21.47	40°14'51.617"N	104°27'28.717"W	8.07	
5957.00	2.130	98.990	5954.03	-48.15	-48.50	22.53	40°14'51.605"N	104°27'28.703"W	12.40	
5988.00	3.760	31.950	5985.00	-47.36	-47.73	23.64	40°14'51.612"N	104°27'28.689"W	11.37	
6020.00	7.390	14.700	6016.84	-44.46	-44.85	24.72	40°14'51.641"N	104°27'28.675"W	12.37	
6051.00	10.370	1.320	6047.47	-39.73	-40.13	25.29	40°14'51.687"N	104°27'28.668"W	11.63	
6083.00	13.680	359.500	6078.76	-33.07	-33.46	25.32	40°14'51.753"N	104°27'28.667"W	10.41	
6115.00	14.750	358.680	6109.78	-25.21	-25.61	25.20	40°14'51.831"N	104°27'28.669"W	3.40	
6146.00	16.520	359.610	6139.63	-16.86	-17.25	25.08	40°14'51.913"N	104°27'28.671"W	5.77	
6178.00	19.940	2.790	6170.02	-6.86	-7.25	25.31	40°14'52.012"N	104°27'28.668"W	11.13	
6210.00	21.780	5.190	6199.93	4.52	4.11	26.11	40°14'52.125"N	104°27'28.657"W	6.34	
6241.00	24.160	6.980	6228.47	16.56	16.14	27.40	40°14'52.243"N	104°27'28.641"W	8.00	
6273.00	27.640	9.340	6257.25	30.42	29.97	29.41	40°14'52.380"N	104°27'28.615"W	11.34	
6305.00	29.280	11.610	6285.38	45.45	44.96	32.19	40°14'52.528"N	104°27'28.579"W	6.14	
6336.00	30.840	12.200	6312.21	60.70	60.15	35.39	40°14'52.678"N	104°27'28.538"W	5.12	
6368.00	33.870	12.940	6339.24	77.46	76.86	39.12	40°14'52.844"N	104°27'28.489"W	9.55	
6399.00	37.260	15.210	6364.45	95.01	94.34	43.52	40°14'53.016"N	104°27'28.433"W	11.73	
6431.00	39.930	16.380	6389.46	114.30	113.55	48.96	40°14'53.206"N	104°27'28.363"W	8.65	
6463.00	43.410	15.840	6413.36	134.82	133.98	54.86	40°14'53.408"N	104°27'28.287"W	10.93	
6494.00	45.190	15.990	6435.55	155.73	154.80	60.79	40°14'53.614"N	104°27'28.210"W	5.75	
6526.00	46.690	13.540	6457.80	178.06	177.04	66.65	40°14'53.833"N	104°27'28.134"W	7.23	
6557.00	49.630	11.370	6478.48	200.68	199.59	71.62	40°14'54.056"N	104°27'28.070"W	10.82	
6589.00	51.410	10.530	6498.83	225.00	223.84	76.31	40°14'54.296"N	104°27'28.010"W	5.92	
6621.00	53.720	8.830	6518.28	250.11	248.88	80.57	40°14'54.543"N	104°27'27.955"W	8.36	
6652.00	56.290	5.590	6536.06	275.34	274.07	83.75	40°14'54.792"N	104°27'27.914"W	11.92	
6684.00	57.990	4.760	6553.42	302.15	300.84	86.17	40°14'55.057"N	104°27'27.883"W	5.74	
6715.00	59.650	2.700	6569.47	328.63	327.30	87.89	40°14'55.318"N	104°27'27.861"W	7.81	
6747.00	62.560	0.770	6584.93	356.64	355.30	88.73	40°14'55.595"N	104°27'27.850"W	10.52	
6778.00	65.330	357.150	6598.55	384.47	383.13	88.22	40°14'55.870"N	104°27'27.856"W	13.78	
6810.00	66.020	355.930	6611.73	413.54	412.24	86.46	40°14'56.158"N	104°27'27.879"W	4.09	
6842.00	68.830	356.210	6624.02	442.98	441.72	84.43	40°14'56.449"N	104°27'27.905"W	8.82	
6873.00	73.380	356.000	6634.05	472.20	470.97	82.44	40°14'56.738"N	104°27'27.931"W	14.69	
6905.00	77.200	357.390	6642.18	503.06	501.86	80.66	40°14'57.043"N	104°27'27.954"W	12.65	
6936.00	81.220	358.020	6647.98	533.46	532.28	79.44	40°14'57.344"N	104°27'27.969"W	13.12	
6968.00	86.300	358.860	6651.46	565.23	564.07	78.58	40°14'57.658"N	104°27'27.981"W	16.09	
7000.00	88.080	358.710	6653.02	597.17	596.03	77.90	40°14'57.974"N	104°27'27.989"W	5.58	
7031.00	88.580	358.590	6653.93	628.13	627.00	77.17	40°14'58.280"N	104°27'27.999"W	1.66	
7063.00	88.850	359.470	6654.65	660.11	658.99	76.63	40°14'58.596"N	104°27'28.006"W	2.88	
7133.00	90.920	0.200	6654.79	730.09	728.99	76.43	40°14'59.288"N	104°27'28.008"W	3.14	
7228.00	91.880	0.840	6652.46	825.06	823.95	77.29	40°15'00.226"N	104°27'27.997"W	1.21	
7323.00	89.630	1.030	6651.21	920.04	918.92	78.84	40°15'01.165"N	104°27'27.977"W	2.38	
7418.00	89.970	0.680	6651.54	1015.04	1013.91	80.26	40°15'02.103"N	104°27'27.959"W	0.51	
7513.00	89.110	359.060	6652.31	1110.02	1108.91	80.04	40°15'03.042"N	104°27'27.962"W	1.93	
7608.00	89.480	358.330	6653.48	1204.94	1203.87	77.88	40°15'03.981"N	104°27'27.990"W	0.86	
7703.00	89.200	359.090	6654.57	1299.87	1298.84	75.74	40°15'04.919"N	104°27'28.017"W	0.85	
7798.00	88.440	359.860	6656.53	1394.82	1393.82	74.87	40°15'05.858"N	104°27'28.028"W	1.14	
7893.00	87.570	358.550	6659.83	1489.71	1488.75	73.55	40°15'06.796"N	104°27'28.045"W	1.65	
7988.00	87.390	359.590	6664.01	1584.57	1583.64	72.01	40°15'07.733"N	104°27'28.065"W	1.11	
8083.00	88.310	359.650	6667.58	1679.48	1678.57	71.38	40°15'08.671"N	104°27'28.073"W	0.97	
8178.00	90.770	0.670	6668.34	1774.46	1773.56	71.65	40°15'09.610"N	104°27'28.070"W	2.80	
8273.00	90.150	359.950	6667.58	1869.45	1868.55	72.16	40°15'10.549"N	104°27'28.063"W	1.00	
8367.00	89.510	0.080	6667.85	1963.44	1962.55	72.18	40°15'11.478"N	104°27'28.063"W	0.69	
8462.00	89.910	1.150	6668.34	2058.44	2057.54	73.20	40°15'12.416"N	104°27'28.050"W	1.20	
8557.00	89.200	0.300	6669.07	2153.43	2152.53	74.41	40°15'13.355"N	104°27'28.034"W	1.17	
8652.00	89.880	0.630	6669.84	2248.43	2247.53	75.18	40°15'14.294"N	104°27'28.024"W	0.80	
8747.00	89.910	359.980	6670.01	2343.42	2342.52	75.68	40°15'15.233"N	104°27'28.018"W	0.68	
8842.00	91.660	1.020	6668.71	2438.40	2437.51	76.51	40°15'16.171"N	104°27'28.007"W	2.14	



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REFERENCE WELLPATH IDENTIFICATION			
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Field	WELD COUNTY (KERR MCGEE)	Wellbore	GUTTERSEN 27N-5HZ AWB
Facility	SEC.05-T3N-R63W		

WELLPATH DATA (144 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
8937.00	90.860	0.730	6666.62	2533.38	2532.47	77.96	40°15'17.110"N	104°27'27.988"W	0.90	
9031.00	91.970	1.290	6664.30	2627.35	2626.43	79.62	40°15'18.038"N	104°27'27.967"W	1.32	
9126.00	91.940	1.480	6661.06	2722.29	2721.34	81.91	40°15'18.976"N	104°27'27.938"W	0.20	
9221.00	91.570	1.350	6658.15	2817.24	2816.27	84.26	40°15'19.914"N	104°27'27.907"W	0.41	
9316.00	90.430	359.890	6656.49	2912.22	2911.24	85.29	40°15'20.853"N	104°27'27.894"W	1.95	
9411.00	88.830	358.180	6657.10	3007.16	3006.22	83.69	40°15'21.791"N	104°27'27.915"W	2.46	
9505.00	89.380	359.090	6658.57	3101.08	3100.18	81.45	40°15'22.720"N	104°27'27.944"W	1.13	
9600.00	89.880	359.860	6659.18	3196.05	3195.18	80.58	40°15'23.658"N	104°27'27.955"W	0.97	
9695.00	91.020	1.020	6658.44	3291.04	3290.17	81.31	40°15'24.597"N	104°27'27.945"W	1.71	
9790.00	91.360	0.390	6656.47	3386.01	3385.14	82.47	40°15'25.536"N	104°27'27.930"W	0.75	
9885.00	92.430	0.640	6653.32	3480.96	3480.08	83.33	40°15'26.474"N	104°27'27.919"W	1.16	
9980.00	91.450	0.770	6650.11	3575.90	3575.02	84.50	40°15'27.412"N	104°27'27.904"W	1.04	
10074.00	91.510	0.700	6647.68	3669.87	3668.98	85.70	40°15'28.340"N	104°27'27.889"W	0.10	
10169.00	89.600	0.990	6646.76	3764.86	3763.96	87.10	40°15'29.279"N	104°27'27.871"W	2.03	
10264.00	88.610	1.340	6648.24	3859.85	3858.93	89.03	40°15'30.217"N	104°27'27.846"W	1.11	
10359.00	89.080	1.080	6650.16	3954.83	3953.89	91.04	40°15'31.156"N	104°27'27.820"W	0.57	
10454.00	89.320	359.660	6651.49	4049.81	4048.87	91.65	40°15'32.095"N	104°27'27.812"W	1.52	
10549.00	88.980	359.440	6652.89	4144.77	4143.86	90.91	40°15'33.033"N	104°27'27.821"W	0.43	
10644.00	89.200	358.380	6654.40	4239.70	4238.83	89.10	40°15'33.972"N	104°27'27.845"W	1.14	
10738.00	90.180	358.860	6654.91	4333.63	4332.80	86.84	40°15'34.900"N	104°27'27.874"W	1.16	
10833.00	89.110	358.390	6655.50	4428.55	4427.77	84.56	40°15'35.839"N	104°27'27.903"W	1.23	
10928.00	90.030	358.600	6656.21	4523.46	4522.73	82.06	40°15'36.777"N	104°27'27.936"W	0.99	
10993.00	89.170	357.810	6656.67	4588.39	4587.70	80.03	40°15'37.419"N	104°27'27.962"W	1.80	Last BHI MWD Survey
11061.00	89.170	357.810	6657.65	4656.28	4655.64	77.43	40°15'38.091"N	104°27'27.995"W	0.00	Projection to Bit

HOLE & CASING SECTIONS - Ref Wellbore: GUTTERSEN 27N-5HZ AWB Ref Wellpath: GUTTERSEN 27N-5HZ 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]
13.25in Open Hole	14.00	749.00	735.00	14.00	748.99	-0.02	-0.09	2.07	-1.16
9.625in Casing Surface	14.00	749.00	735.00	14.00	748.99	-0.02	-0.09	2.07	-1.16
8.75in Open Hole	749.00	11061.00	10312.00	748.99	6657.65	2.07	-1.16	4655.64	77.43

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
GUTTERSON PAD SECTION LINES		-2.00	0.30	30.09	3290867.65	1334825.04	40°14'52.087"N	104°27'28.606"W	polygon
GUTTERSON PAD HARDLINES (460' SETBACKS)		6640.00	0.30	30.09	3290867.65	1334825.04	40°14'52.087"N	104°27'28.606"W	polygon
GUTTERSEN 27N-5HZ BHL ON PLAT (460'FNL & 1575'FEL,REV-1)		6649.00	4660.14	72.80	3290855.61	1339484.85	40°15'38.135"N	104°27'28.055"W	point

WELLPATH COMPOSITION - Ref Wellbore: GUTTERSEN 27N-5HZ AWB Ref Wellpath: GUTTERSEN 27N-5HZ AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
66.00	710.00	Gyrodata relative depth - Continuous gyro	13 1/4 Surface Surveys <158-710>	GUTTERSEN 27N-5HZ AWB
710.00	5848.00	NaviTrak (Standard)	8 3/4 Intermediate Section <784-5848>	GUTTERSEN 27N-5HZ AWB
5848.00	7063.00	Unknown Tool (Standard)	8 3/4 Curve Section <5893-7063>	GUTTERSEN 27N-5HZ AWB
7063.00	10993.00	OnTrak (Standard)	6 1/8 Lateral Section <7133-10993>	GUTTERSEN 27N-5HZ AWB
10993.00	11061.00	Blind Drilling (std)	Projection to bit	GUTTERSEN 27N-5HZ AWB



Actual Wellpath Report

GUTTERSEN 27N-5HZ AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANADARKO E&P COMPANY LP	Slot	SLOT#02 GUTTERSEN 27N-5HZ (150'FSL & 1650'FEL, SEC.5)
Area	COLORADO	Well	GUTTERSEN 27N-5HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	GUTTERSEN 27N-5HZ AWB
Facility	SEC.05-T3N-R63W		

WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
710.00	0.200	45.830	709.99	Tie-Into Surface Surveys
784.00	0.420	253.550	783.99	Begin BHI MWD Surveys
10993.00	89.170	357.810	6656.67	Last BHI MWD Survey
11061.00	89.170	357.810	6657.65	Projection to Bit