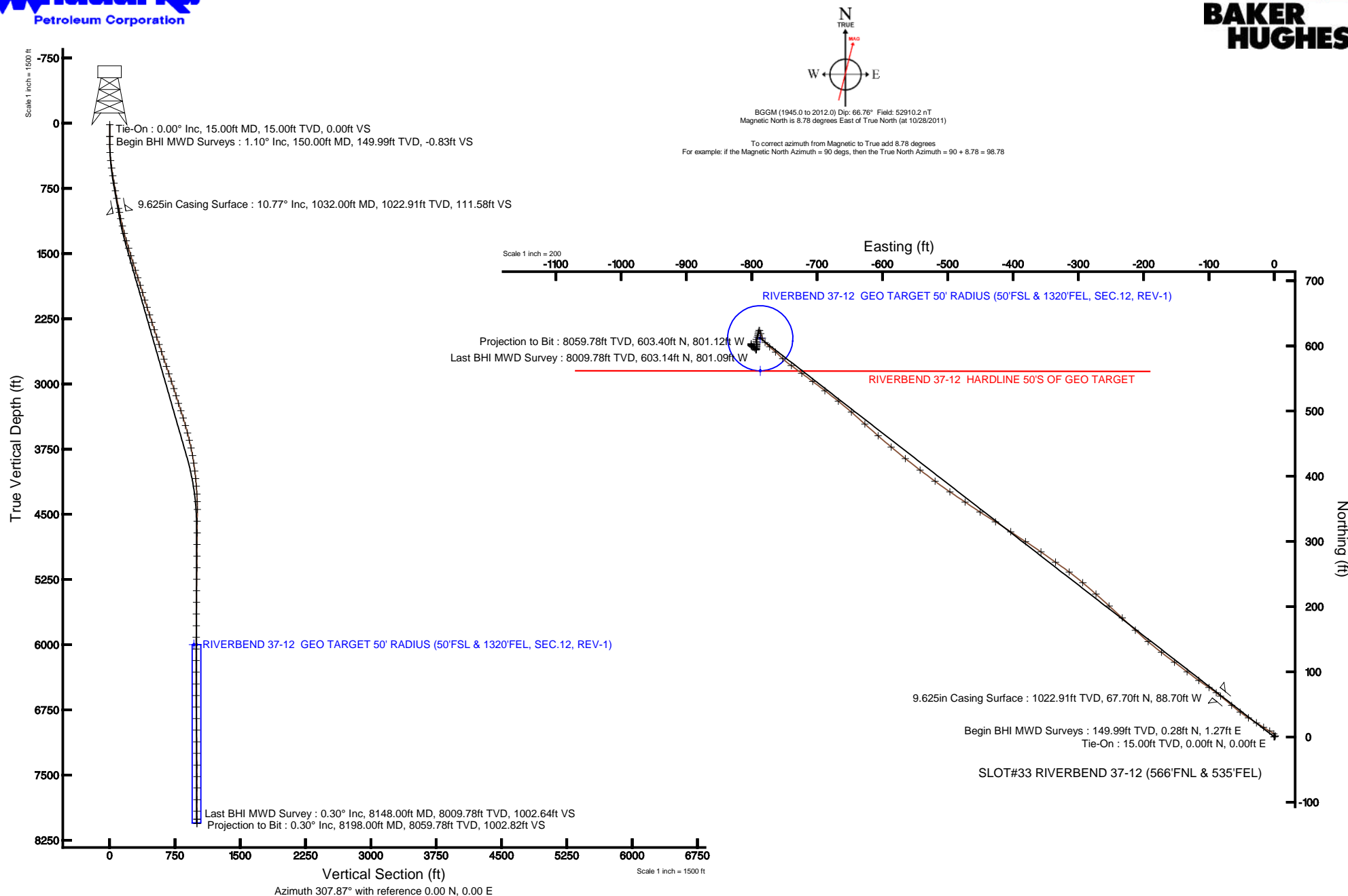


# ANADARKO E&P COMPANY LP

Location: COLORADO Slot: SLOT#33 RIVERBEND 37-12 (566'FNL & 535'FEL)  
 Field: WELD COUNTY (KERR MCGEE) Well: RIVERBEND 37-12  
 Facility: SEC.13-T1N-R67W Wellbore: RIVERBEND 37-12 PWB

Plot reference wellpath is RIVERBEND 37-12 (REV-A.0) PWP	
True vertical depths are referenced to XTREME 15 (RKB)	Grid System: NAD83 / Lambert Colorado SP, Northern Zone (501), US feet
Measured depths are referenced to XTREME 15 (RKB)	North Reference: True north
XTREME 15 (RKB) to Mean Sea Level: 4928 feet	Scale: True distance
Mean Sea Level to Mud line (At Slot: SLOT#33 RIVERBEND 37-12 (566'FNL & 535'FEL)): 0 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: wilsjef02 on 1/30/2012





# Actual Wellpath Report

## RIVERBEND 37-12 AWP

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### REFERENCE WELLPATH IDENTIFICATION

Operator	ANADARKO E&P COMPANY LP	Slot	SLOT#33 RIVERBEND 37-12 (566'FNL & 535'FEL)
Area	COLORADO	Well	RIVERBEND 37-12
Field	WELD COUNTY (KERR MCGEE)	Wellbore	RIVERBEND 37-12 AWB
Facility	SEC.13-T1N-R67W		

### 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	0.999963	Report Generated	1/30/2012 at 4:44:55 PM
Convergence at slot	0.43° East	Database/Source file	WA_ANADARKO/RIVERBEND_37-12_AWB.xml

### WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	1486.03	1263.03	3187082.10	1264240.14	40°03'24.455"N	104°49'53.951"W
Facility Reference Pt			3185830.27	1262744.76	40°03'09.770"N	104°50'10.194"W
Field Reference Pt			3197771.84	1268891.29	40°04'09.600"N	104°47'36.000"W

### WELLPATH DATUM

Calculation method	Minimum curvature	XTREME 15 (RKB) to Facility Vertical Datum	4928.00ft
Horizontal Reference Pt	Slot	XTREME 15 (RKB) to Mean Sea Level	4928.00ft
Vertical Reference Pt	XTREME 15 (RKB)	XTREME 15 (RKB) to Mud Line at Slot (SLOT#33 RIVERBEND 37-12 (566'FNL & 535'FEL))	4928.00ft
MD Reference Pt	XTREME 15 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	306.99°



# Actual Wellpath Report

RIVERBEND 37-12 AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	ANADARKO E&P COMPANY LP	Slot	SLOT#33 RIVERBEND 37-12 (566'FNL & 535'FEL)
Area	COLORADO	Well	RIVERBEND 37-12
Field	WELD COUNTY (KERR MCGEE)	Wellbore	RIVERBEND 37-12 AWB
Facility	SEC.13-T1N-R67W		

## WELLPATH DATA (80 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	77.700	0.00	0.00	0.00	0.00	40°03'24.455"N	104°49'53.951"W	0.00	
15.00	0.000	77.700	15.00	0.00	0.00	0.00	40°03'24.455"N	104°49'53.951"W	0.00	Tie-On
150.00	1.100	77.700	149.99	-0.85	0.28	1.27	40°03'24.458"N	104°49'53.935"W	0.81	Begin BHI MWD Surveys
242.00	1.600	351.300	241.97	-0.50	1.73	1.93	40°03'24.472"N	104°49'53.926"W	2.05	
335.00	3.400	307.300	334.89	3.19	4.69	-0.46	40°03'24.501"N	104°49'53.957"W	2.70	
427.00	6.100	301.000	426.56	10.78	8.86	-6.82	40°03'24.543"N	104°49'54.039"W	2.98	
515.00	8.000	302.000	513.90	21.53	14.51	-16.02	40°03'24.598"N	104°49'54.157"W	2.16	
604.00	9.000	302.000	601.92	34.63	21.49	-27.17	40°03'24.667"N	104°49'54.300"W	1.12	
691.00	10.100	302.400	687.71	49.02	29.18	-39.39	40°03'24.743"N	104°49'54.458"W	1.27	
779.00	10.300	307.300	774.32	64.58	38.08	-52.16	40°03'24.831"N	104°49'54.622"W	1.01	
869.00	10.900	309.800	862.78	81.12	48.40	-65.10	40°03'24.933"N	104°49'54.788"W	0.84	
987.00	10.700	309.400	978.69	103.21	62.50	-82.13	40°03'25.073"N	104°49'55.007"W	0.18	
1105.00	10.900	304.100	1094.61	125.30	75.71	-99.84	40°03'25.203"N	104°49'55.235"W	0.86	
1194.00	13.800	305.500	1181.54	144.32	86.59	-115.45	40°03'25.311"N	104°49'55.436"W	3.28	
1281.00	15.700	307.700	1265.67	166.46	99.82	-133.21	40°03'25.441"N	104°49'55.664"W	2.28	
1369.00	16.200	306.600	1350.28	190.64	114.42	-152.49	40°03'25.586"N	104°49'55.912"W	0.66	
1459.00	16.600	308.000	1436.62	216.05	129.82	-172.70	40°03'25.738"N	104°49'56.172"W	0.62	
1549.00	17.100	309.800	1522.76	242.12	146.20	-193.00	40°03'25.900"N	104°49'56.433"W	0.80	
1637.00	17.600	313.600	1606.75	268.26	163.66	-212.57	40°03'26.072"N	104°49'56.685"W	1.41	
1727.00	18.000	312.600	1692.45	295.61	182.45	-232.66	40°03'26.258"N	104°49'56.943"W	0.56	
1816.00	17.700	312.600	1777.16	322.76	200.92	-252.74	40°03'26.441"N	104°49'57.201"W	0.34	
1906.00	17.600	311.500	1862.92	349.94	219.20	-273.00	40°03'26.621"N	104°49'57.462"W	0.39	
1995.00	17.100	310.500	1947.88	376.42	236.61	-293.03	40°03'26.793"N	104°49'57.720"W	0.65	
2085.00	17.100	306.300	2033.90	402.86	253.04	-313.76	40°03'26.956"N	104°49'57.986"W	1.37	
2173.00	17.300	304.800	2117.96	428.87	268.17	-334.93	40°03'27.105"N	104°49'58.258"W	0.55	
2263.00	18.000	305.500	2203.73	456.14	283.88	-357.24	40°03'27.260"N	104°49'58.545"W	0.81	
2354.00	18.400	302.700	2290.18	484.52	299.80	-380.77	40°03'27.418"N	104°49'58.848"W	1.06	
2442.00	17.700	304.500	2373.85	511.74	314.88	-403.48	40°03'27.567"N	104°49'59.140"W	1.02	
2532.00	18.400	301.700	2459.42	539.55	330.10	-426.85	40°03'27.717"N	104°49'59.440"W	1.24	
2621.00	18.400	303.400	2543.87	567.56	345.21	-450.52	40°03'27.866"N	104°49'59.745"W	0.60	
2710.00	17.700	304.100	2628.49	595.09	360.53	-473.45	40°03'28.018"N	104°50'00.040"W	0.82	
2800.00	18.500	304.100	2714.03	623.01	376.20	-496.61	40°03'28.173"N	104°50'00.338"W	0.89	
2888.00	18.600	306.600	2797.46	650.99	392.40	-519.44	40°03'28.333"N	104°50'00.631"W	0.91	
2978.00	18.500	307.300	2882.79	679.62	409.61	-542.32	40°03'28.503"N	104°50'00.925"W	0.27	
3068.00	18.600	308.700	2968.11	708.25	427.24	-564.88	40°03'28.677"N	104°50'01.216"W	0.51	
3157.00	17.900	309.800	3052.64	736.10	444.87	-586.46	40°03'28.851"N	104°50'01.493"W	0.88	
3245.00	17.300	311.500	3136.52	762.65	462.19	-606.65	40°03'29.022"N	104°50'01.753"W	0.90	
3335.00	17.900	311.900	3222.30	789.77	480.30	-626.97	40°03'29.201"N	104°50'02.014"W	0.68	
3425.00	17.800	311.200	3307.97	817.27	498.59	-647.61	40°03'29.382"N	104°50'02.280"W	0.26	
3512.00	17.100	308.700	3390.97	843.32	515.35	-667.60	40°03'29.548"N	104°50'02.537"W	1.18	
3603.00	16.200	307.700	3478.15	869.38	531.48	-688.09	40°03'29.707"N	104°50'02.800"W	1.04	
3692.00	14.400	306.300	3563.99	892.86	545.62	-706.83	40°03'29.847"N	104°50'03.041"W	2.06	
3779.00	13.500	307.300	3648.43	913.84	558.18	-723.63	40°03'29.971"N	104°50'03.257"W	1.07	
3869.00	12.000	305.500	3736.21	933.70	569.98	-739.60	40°03'30.088"N	104°50'03.463"W	1.72	
3958.00	10.200	313.600	3823.54	950.77	580.79	-752.84	40°03'30.194"N	104°50'03.633"W	2.67	
4048.00	8.600	312.200	3912.33	965.39	590.81	-763.60	40°03'30.293"N	104°50'03.771"W	1.80	
4137.00	7.000	308.700	4000.51	977.44	598.67	-772.76	40°03'30.371"N	104°50'03.889"W	1.87	
4227.00	5.600	321.400	4089.96	987.18	605.53	-779.78	40°03'30.439"N	104°50'03.979"W	2.19	
4315.00	4.800	336.800	4177.61	994.53	612.27	-783.91	40°03'30.505"N	104°50'04.033"W	1.82	
4405.00	4.700	343.500	4267.30	1000.76	619.27	-786.44	40°03'30.575"N	104°50'04.065"W	0.63	
4493.00	1.700	328.000	4355.15	1004.88	623.83	-788.16	40°03'30.620"N	104°50'04.087"W	3.52	
4582.00	1.200	200.100	4444.14	1005.84	624.08	-789.18	40°03'30.622"N	104°50'04.100"W	2.94	
4717.00	1.100	194.800	4579.11	1004.94	621.50	-790.00	40°03'30.597"N	104°50'04.111"W	0.11	
4853.00	1.100	181.400	4715.09	1003.69	618.93	-790.36	40°03'30.571"N	104°50'04.116"W	0.19	
4986.00	1.100	195.900	4848.06	1002.49	616.42	-790.74	40°03'30.547"N	104°50'04.120"W	0.21	
5119.00	1.300	208.200	4981.03	1001.80	613.87	-791.81	40°03'30.521"N	104°50'04.134"W	0.24	
5253.00	1.800	200.400	5114.98	1000.96	610.56	-793.26	40°03'30.489"N	104°50'04.153"W	0.40	

5385.00	1.100	152.300	5246.94	999.22	607.49	-793.39	40°03'30.458"N	104°50'04.154"W	1.02	
5518.00	0.900	169.800	5379.92	997.30	605.33	-792.61	40°03'30.437"N	104°50'04.144"W	0.27	
5652.00	0.700	178.300	5513.91	996.02	603.48	-792.40	40°03'30.419"N	104°50'04.142"W	0.17	



# Actual Wellpath Report

RIVERBEND 37-12 AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANADARKO E&P COMPANY LP	Slot	SLOT#33 RIVERBEND 37-12 (566'FNL & 535'FEL)
Area	COLORADO	Well	RIVERBEND 37-12
Field	WELD COUNTY (KERR MCGEE)	Wellbore	RIVERBEND 37-12 AWB
Facility	SEC.13-T1N-R67W		

WELLPATH DATA (80 stations)										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
5787.00	0.500	178.600	5648.90	995.14	602.06	-792.36	40°03'30.405"N	104°50'04.141"W	0.15	
5920.00	0.800	176.900	5781.89	994.18	600.56	-792.30	40°03'30.390"N	104°50'04.140"W	0.23	
6055.00	0.800	190.200	5916.88	993.15	598.69	-792.41	40°03'30.371"N	104°50'04.142"W	0.14	
6188.00	0.700	182.500	6049.87	992.27	596.96	-792.61	40°03'30.354"N	104°50'04.145"W	0.11	
6321.00	0.600	191.300	6182.86	991.51	595.47	-792.79	40°03'30.339"N	104°50'04.147"W	0.11	
6455.00	0.200	240.900	6316.86	991.30	594.67	-793.13	40°03'30.332"N	104°50'04.151"W	0.37	
6591.00	0.300	196.600	6452.86	991.27	594.21	-793.44	40°03'30.327"N	104°50'04.155"W	0.15	
6725.00	0.400	328.800	6586.86	991.58	594.27	-793.78	40°03'30.328"N	104°50'04.159"W	0.48	
6857.00	0.900	335.800	6718.85	992.92	595.61	-794.44	40°03'30.341"N	104°50'04.168"W	0.38	
6990.00	1.200	299.900	6851.83	995.22	597.26	-796.08	40°03'30.357"N	104°50'04.189"W	0.53	
7122.00	0.600	279.500	6983.81	997.20	598.06	-797.96	40°03'30.365"N	104°50'04.213"W	0.51	
7257.00	0.800	303.400	7118.80	998.77	598.70	-799.44	40°03'30.371"N	104°50'04.232"W	0.26	
7390.00	0.400	327.700	7251.79	1000.13	599.60	-800.47	40°03'30.380"N	104°50'04.245"W	0.35	
7525.00	0.400	323.800	7386.79	1001.02	600.38	-801.00	40°03'30.388"N	104°50'04.252"W	0.02	
7658.00	0.400	0.400	7519.79	1001.74	601.22	-801.27	40°03'30.396"N	104°50'04.256"W	0.19	
7789.00	0.200	11.600	7650.78	1002.11	601.90	-801.22	40°03'30.403"N	104°50'04.255"W	0.16	
7923.00	0.100	37.300	7784.78	1002.21	602.22	-801.10	40°03'30.406"N	104°50'04.254"W	0.09	
8056.00	0.300	355.500	7917.78	1002.44	602.66	-801.06	40°03'30.411"N	104°50'04.253"W	0.18	
8148.00	0.300	355.500	8009.78	1002.76	603.14	-801.09	40°03'30.415"N	104°50'04.254"W	0.00	Last BHI MWD Survey
8198.00	0.300	355.500	8059.78	1002.94	603.40	-801.12	40°03'30.418"N	104°50'04.254"W	0.00	Projection to Bit

HOLE & CASING SECTIONS - Ref Wellbore: RIVERBEND 37-12 AWB Ref Wellpath: RIVERBEND 37-12 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]
12.25in Open Hole	15.00	1032.00	1017.00	15.00	1022.91	0.00	0.00	67.70	-88.70
9.625in Casing Surface	15.00	1032.00	1017.00	15.00	1022.91	0.00	0.00	67.70	-88.70
7.875in Open Hole	1032.00	8198.00	7166.00	1022.91	8059.78	67.70	-88.70	603.40	-801.12

WELLPATH COMPOSITION - Ref Wellbore: RIVERBEND 37-12 AWB Ref Wellpath: RIVERBEND 37-12 AWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
15.00	987.00	NaviTrak (Standard)	BHI MWD SURVEYS 12 1/4" HOLE <150-987>	RIVERBEND 37-12 AWB
987.00	8148.00	NaviTrak (Standard)	BHI MWD SURVEYS 7 7/8" HOLE <1105-8148>	RIVERBEND 37-12 AWB
8148.00	8198.00	Blind Drilling (std)	Projection to bit	RIVERBEND 37-12 AWB



# Actual Wellpath Report

RIVERBEND 37-12 AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	ANADARKO E&P COMPANY LP	Slot	SLOT#33 RIVERBEND 37-12 (566'FNL & 535'FEL)
Area	COLORADO	Well	RIVERBEND 37-12
Field	WELD COUNTY (KERR MCGEE)	Wellbore	RIVERBEND 37-12 AWB
Facility	SEC.13-T1N-R67W		

## WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
15.00	0.000	77.700	15.00	Tie-On
150.00	1.100	77.700	149.99	Begin BHI MWD Surveys
8148.00	0.300	355.500	8009.78	Last BHI MWD Survey
8198.00	0.300	355.500	8059.78	Projection to Bit