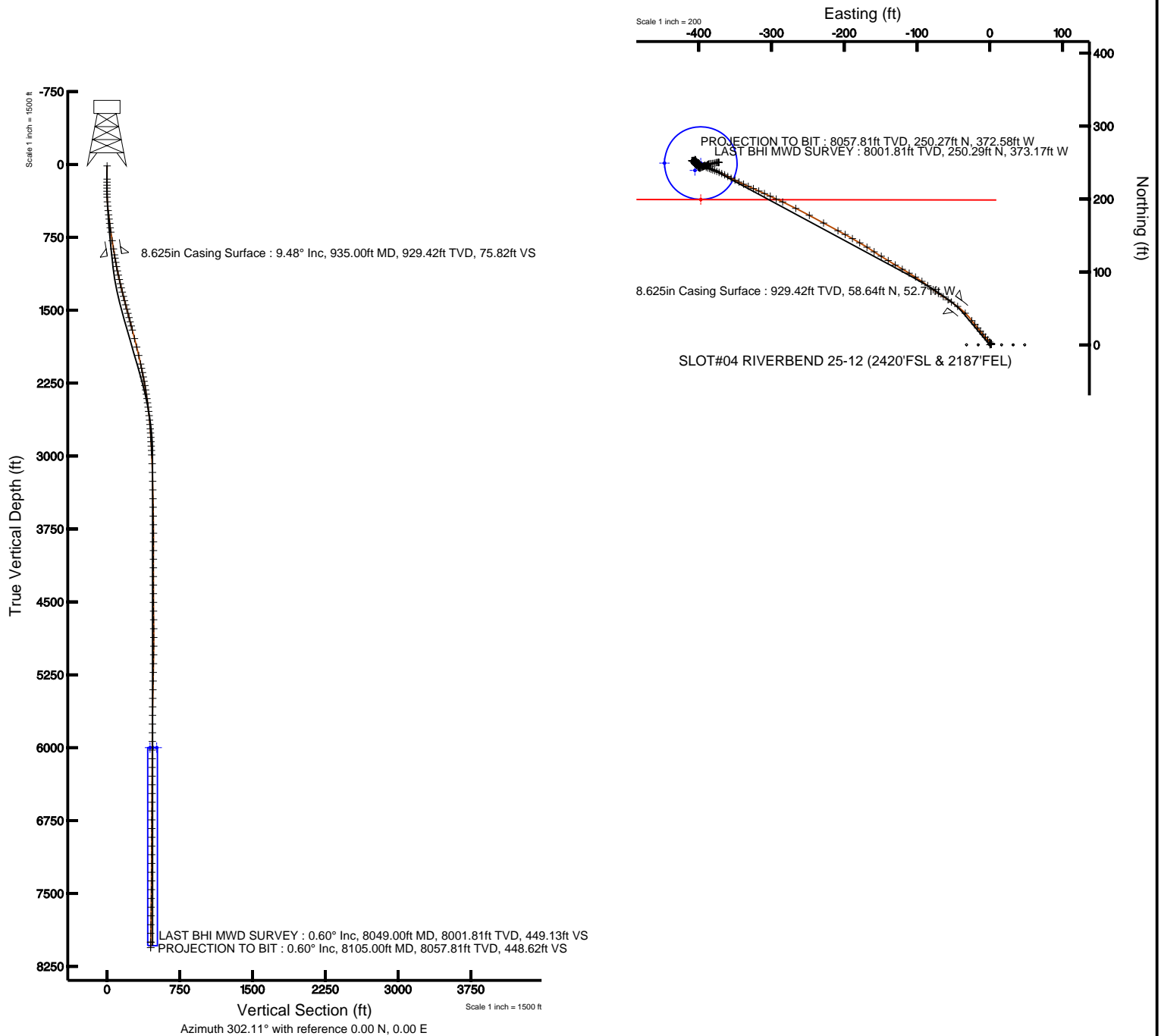


KERR MCGEE OIL & GAS ONSHORE LP

Location: COLORADO Slot: SLOT#04 RIVERBEND 25-12 (2420'FSL & 2187'FEL)
 Field: WELD COUNTY (KERR MCGEE) Well: RIVERBEND 25-12
 Facility: SEC.12-T1N-R67W Wellbore: RIVERBEND 25-12 PWB



Plot reference wellpath is RIVERBEND 25-12 (REV-B.0) PWP	
True vertical depths are referenced to XTREME 15 (RKB)	Grid System: NAD83 / Lambert Colorado State Planes, Northern Zone (S01), US feet
Measured depths are referenced to XTREME 15 (RKB)	North Reference: True north
XTREME 15 (RKB) to Mean Sea Level: 4028 feet	Scale: True distance
Mean Sea Level to Mud line (Facility: SEC.12-T1N-R67W): 0 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: cookdarn on 2/3/2011





Actual Wellpath Report

RIVERBEND 25-12 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#04 RIVERBEND 25-12 (2420'FSL & 2187'FEL)
Area	COLORADO	Well	RIVERBEND 25-12
Field	WELD COUNTY (KERR MCGEE)	Wellbore	RIVERBEND 25-12 awb
Facility	SEC.12-T1N-R67W		

REPORT SETUP INFORMATION

Projection System	NAD83 / Lambert Colorado State Planes, Northern Zone (501), US feet	Software System	WellArchitect® 2.0
North Reference	True	User	Cookdanm
Scale	0.999962	Report Generated	2/3/2011 at 9:26:30 AM
Convergence at slot	0.43° East	Database/Source file	Denver Server/RIVERBEND_25-12_awb.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	0.00	-48.14	3185388.24	1267204.73	40°03'53.878"N	104°50'15.450"W
Facility Reference Pt			3185436.38	1267205.09	40°03'53.878"N	104°50'14.831"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)	Facility Vertical Datum to Mud Line (Facility)	0.00ft
MD Reference Pt	XTREME 15 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	302.11°



Actual Wellpath Report

RIVERBEND 25-12 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#04 RIVERBEND 25-12 (2420'FSL & 2187'FEL)
Area	COLORADO	Well	RIVERBEND 25-12
Field	WELD COUNTY (KERR MCGEE)	Wellbore	RIVERBEND 25-12 awb
Facility	SEC.12-T1N-R67W		

WELLPATH DATA (119 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	74.700	0.00	0.00	0.00	0.00	0.00	
15.00	0.000	74.700	15.00	0.00	0.00	0.00	0.00	
151.00	1.100	74.700	150.99	-0.88	0.34	1.26	0.81	
182.00	0.800	66.600	181.99	-1.21	0.51	1.74	1.06	
213.00	0.700	49.700	212.98	-1.39	0.72	2.09	0.78	
243.00	0.400	26.800	242.98	-1.43	0.93	2.27	1.22	
275.00	0.500	342.500	274.98	-1.32	1.16	2.28	1.10	
306.00	0.700	325.700	305.98	-1.04	1.45	2.14	0.85	
337.00	2.100	319.300	336.97	-0.32	2.03	1.66	4.54	
384.00	4.200	315.100	383.90	2.18	3.91	-0.12	4.49	
429.00	6.000	319.700	428.72	6.02	6.87	-2.80	4.10	
474.00	6.500	318.600	473.45	10.71	10.57	-6.01	1.14	
519.00	6.800	320.800	518.15	15.68	14.55	-9.38	0.87	
563.00	7.400	319.300	561.81	20.85	18.71	-12.87	1.43	
608.00	7.500	321.500	606.43	26.39	23.21	-16.59	0.67	
653.00	8.100	320.400	651.01	32.17	27.95	-20.44	1.37	
699.00	8.700	320.400	696.52	38.55	33.13	-24.72	1.30	
787.00	9.100	317.200	783.46	51.59	43.36	-33.69	0.72	
873.00	9.800	306.000	868.30	65.46	52.66	-44.23	2.28	
969.00	9.300	303.500	962.97	81.36	61.74	-57.31	0.68	
1014.00	10.500	302.500	1007.30	89.10	65.95	-63.80	2.69	
1058.00	11.000	304.200	1050.53	97.30	70.46	-70.66	1.35	
1103.00	11.500	307.400	1094.66	106.06	75.60	-77.77	1.78	
1148.00	12.400	306.300	1138.69	115.35	81.19	-85.23	2.06	
1193.00	13.200	306.300	1182.57	125.29	87.09	-93.26	1.78	
1239.00	13.500	301.400	1227.33	135.90	93.00	-102.08	2.54	
1282.00	13.900	300.400	1269.10	146.08	98.22	-110.82	1.08	
1327.00	14.000	299.300	1312.78	156.92	103.62	-120.23	0.63	
1373.00	14.700	302.800	1357.34	168.31	109.51	-129.99	2.42	
1418.00	14.500	301.800	1400.89	179.65	115.57	-139.57	0.72	
1463.00	14.700	302.100	1444.44	191.00	121.57	-149.20	0.48	
1508.00	14.900	302.100	1487.94	202.49	127.68	-158.94	0.44	
1553.00	15.000	302.100	1531.42	214.10	133.85	-168.77	0.22	
1598.00	15.100	300.400	1574.88	225.78	139.91	-178.76	1.01	
1643.00	15.000	299.700	1618.33	237.46	145.76	-188.87	0.46	
1688.00	14.600	299.300	1661.84	248.94	151.42	-198.88	0.92	
1732.00	14.500	296.500	1704.43	259.96	156.59	-208.64	1.61	
1822.00	14.400	299.300	1791.58	282.35	167.10	-228.49	0.78	
1912.00	14.200	297.500	1878.79	304.54	177.67	-248.04	0.54	
2001.00	13.100	296.800	1965.28	325.46	187.26	-266.72	1.25	
2091.00	12.700	294.700	2053.01	345.43	195.99	-284.81	0.68	
2136.00	12.000	295.400	2096.97	354.98	200.07	-293.53	1.59	
2181.00	11.500	294.700	2141.02	364.07	203.95	-301.84	1.16	
2226.00	10.800	294.400	2185.17	372.70	207.56	-309.75	1.56	
2272.00	10.600	294.000	2230.37	381.16	211.07	-317.54	0.46	



Actual Wellpath Report

RIVERBEND 25-12 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#04 RIVERBEND 25-12 (2420'FSL & 2187'FEL)
Area	COLORADO	Well	RIVERBEND 25-12
Field	WELD COUNTY (KERR MCGEE)	Wellbore	RIVERBEND 25-12 awb
Facility	SEC.12-T1N-R67W		

WELLPATH DATA (119 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
2317.00	10.400	294.000	2274.62	389.28	214.40	-325.03	0.44	
2362.00	9.200	294.400	2318.96	396.86	217.54	-332.02	2.67	
2407.00	8.900	294.000	2363.40	403.87	220.44	-338.47	0.68	
2453.00	8.500	295.400	2408.87	410.77	223.35	-344.80	0.98	
2496.00	7.900	294.400	2451.43	416.86	225.93	-350.36	1.43	
2541.00	7.100	299.000	2496.05	422.70	228.56	-355.61	2.22	
2585.00	6.600	298.600	2539.73	427.94	231.08	-360.21	1.14	
2630.00	5.800	294.000	2584.47	432.77	233.25	-364.55	2.09	
2676.00	5.100	294.400	2630.26	437.10	235.04	-368.54	1.52	
2721.00	4.900	293.300	2675.09	440.98	236.62	-372.13	0.49	
2766.00	4.200	293.000	2719.95	444.50	238.03	-375.41	1.56	
2809.00	3.900	290.900	2762.84	447.49	239.17	-378.22	0.78	
2854.00	3.300	288.800	2807.75	450.25	240.13	-380.88	1.36	
2899.00	2.900	290.200	2852.69	452.63	240.94	-383.17	0.90	
2944.00	3.100	293.700	2897.63	454.95	241.82	-385.36	0.60	
2989.00	3.100	289.800	2942.56	457.34	242.72	-387.61	0.47	
3035.00	2.900	294.700	2988.50	459.71	243.63	-389.84	0.71	
3125.00	2.800	294.000	3078.39	464.14	245.48	-393.92	0.12	
3215.00	2.100	300.400	3168.30	467.97	247.20	-397.35	0.83	
3306.00	0.700	310.600	3259.27	470.18	248.41	-399.21	1.56	
3395.00	0.900	299.300	3348.26	471.42	249.11	-400.23	0.29	
3486.00	0.900	312.000	3439.25	472.84	249.93	-401.39	0.22	
3574.00	1.000	310.200	3527.24	474.28	250.89	-402.49	0.12	
3665.00	0.900	319.700	3618.23	475.75	251.95	-403.56	0.20	
3753.00	1.100	323.900	3706.22	477.19	253.16	-404.50	0.24	
3841.00	0.500	286.600	3794.21	478.34	253.95	-405.37	0.87	
3929.00	0.400	92.200	3882.21	478.45	254.05	-405.43	1.01	
4019.00	0.500	102.400	3972.20	477.80	253.95	-404.73	0.14	
4108.00	0.600	190.300	4061.20	477.27	253.41	-404.43	0.86	
4197.00	0.400	175.600	4150.20	476.91	252.64	-404.49	0.27	
4286.00	0.200	195.600	4239.20	476.68	252.18	-404.51	0.25	
4374.00	0.200	344.000	4327.20	476.75	252.18	-404.59	0.44	
4463.00	0.500	296.500	4416.19	477.25	252.51	-404.98	0.44	
4553.00	0.700	290.200	4506.19	478.18	252.87	-405.85	0.23	
4642.00	0.500	250.100	4595.18	478.95	252.93	-406.73	0.51	
4731.00	0.700	283.800	4684.18	479.71	252.92	-407.62	0.45	
4823.00	0.700	256.800	4776.17	480.64	252.93	-408.71	0.36	
4913.00	0.500	263.800	4866.17	481.33	252.76	-409.64	0.24	
5003.00	0.700	116.800	4956.17	481.09	252.47	-409.54	1.28	
5092.00	1.200	127.000	5045.15	479.62	251.66	-408.31	0.59	
5183.00	1.200	146.000	5136.13	477.80	250.30	-407.02	0.44	
5273.00	1.100	135.500	5226.12	476.10	248.90	-405.88	0.26	
5362.00	1.300	136.900	5315.10	474.29	247.56	-404.59	0.23	
5452.00	1.200	128.800	5405.08	472.37	246.22	-403.16	0.23	
5540.00	1.100	127.400	5493.06	470.61	245.13	-401.77	0.12	



Actual Wellpath Report

RIVERBEND 25-12 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#04 RIVERBEND 25-12 (2420'FSL & 2187'FEL)
Area	COLORADO	Well	RIVERBEND 25-12
Field	WELD COUNTY (KERR MCGEE)	Wellbore	RIVERBEND 25-12 awb
Facility	SEC.12-T1N-R67W		

WELLPATH DATA (119 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
5627.00	0.800	159.400	5580.05	469.30	244.06	-400.90	0.69	
5715.00	0.400	114.000	5668.04	468.50	243.36	-400.40	0.67	
5805.00	0.800	120.400	5758.04	467.56	242.91	-399.57	0.45	
5893.00	0.400	119.300	5846.03	466.64	242.45	-398.77	0.45	
5984.00	1.100	56.000	5937.02	465.97	242.78	-397.77	1.08	
6072.00	0.900	71.800	6025.01	465.19	243.47	-396.41	0.39	
6161.00	0.700	77.100	6114.00	464.36	243.81	-395.22	0.24	
6251.00	1.000	52.500	6203.99	463.70	244.41	-394.06	0.52	
6340.00	1.000	60.900	6292.98	463.05	245.26	-392.77	0.16	
6429.00	0.100	342.900	6381.97	462.74	245.71	-392.11	1.11	
6519.00	0.200	33.500	6471.97	462.79	245.92	-392.05	0.17	
6609.00	0.400	95.400	6561.97	462.51	246.02	-391.65	0.39	
6699.00	1.000	110.200	6651.97	461.46	245.72	-390.60	0.69	
6790.00	0.400	107.700	6742.96	460.37	245.35	-389.55	0.66	
6880.00	0.500	9.600	6832.96	460.22	245.64	-389.19	0.76	
6970.00	0.400	61.300	6922.95	460.22	246.18	-388.84	0.45	
7061.00	0.700	38.800	7013.95	460.00	246.76	-388.22	0.40	
7149.00	0.400	60.600	7101.95	459.79	247.33	-387.61	0.41	
7238.00	0.300	42.700	7190.94	459.60	247.66	-387.18	0.17	
7329.00	0.900	60.900	7281.94	459.21	248.18	-386.40	0.68	
7418.00	1.200	84.100	7370.92	458.14	248.62	-384.86	0.58	
7508.00	1.100	91.200	7460.91	456.66	248.69	-383.06	0.19	
7599.00	1.200	84.500	7551.89	455.15	248.77	-381.24	0.18	
7689.00	1.300	83.800	7641.87	453.60	248.97	-379.28	0.11	
7778.00	1.000	60.600	7730.85	452.44	249.46	-377.60	0.62	
7869.00	1.100	81.700	7821.83	451.40	249.97	-376.05	0.44	
7958.00	1.000	82.400	7910.82	450.15	250.20	-374.43	0.11	
8049.00	0.600	91.900	8001.81	449.13	250.29	-373.17	0.46	LAST BHI MWD SURVEY
8105.00	0.600	91.900	8057.81	448.62	250.27	-372.58	0.00	PROJECTION TO BIT

HOLE & CASING SECTIONS Ref Wellbore: RIVERBEND 25-12 awb Ref Wellpath: RIVERBEND 25-12 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	935.00	920.00	15.00	929.42	0.00	0.00	58.64	-52.71
8.625in Casing Surface	15.00	935.00	920.00	15.00	929.42	0.00	0.00	58.64	-52.71
7.875in Open Hole	935.00	8105.00	7170.00	929.42	8057.81	58.64	-52.71	250.27	-372.58



Actual Wellpath Report

RIVERBEND 25-12 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#04 RIVERBEND 25-12 (2420'FSL & 2187'FEL)
Area	COLORADO	Well	RIVERBEND 25-12
Field	WELD COUNTY (KERR MCGEE)	Wellbore	RIVERBEND 25-12 awb
Facility	SEC.12-T1N-R67W		

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
RIVERBEND 25-12 BHL ON PLAT (2590'FNL & 2590'FEL, REV-1)		6000.00	239.34	-405.29	3184981.19	1267441.03	40°03'56.243"N	104°50'20.663"W	point
RIVERBEND 25-12 GEO TARGET 50' RADIUS (2580'FNL & 2582'FEL, REV-2)		6000.00	249.34	-397.29	3184989.11	1267451.08	40°03'56.342"N	104°50'20.560"W	circle
RIVERBEND 25-12 HARDLINE 50'S OF GEO TARGET		6000.00	199.34	-397.29	3184989.48	1267401.09	40°03'55.847"N	104°50'20.560"W	point
RIVERBEND 25-12 HARDLINE 50'W OF GEO TARGET		6000.00	249.34	-447.29	3184939.11	1267450.71	40°03'56.342"N	104°50'21.203"W	point

WELLPATH COMPOSITION					Ref Wellbore: RIVERBEND 25-12 awb	Ref Wellpath: RIVERBEND 25-12 AWP
Start MD [ft]	End MD [ft]	Positional Uncertainty Model		Log Name/Comment		Wellbore
15.00	8049.00	NaviTrak (Standard)		BHI MWD SURVEYS<151-8049>		RIVERBEND 25-12 awb
8049.00	8105.00	Blind Drilling (std)		Projection to bit		RIVERBEND 25-12 awb



Actual Wellpath Report

RIVERBEND 25-12 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#04 RIVERBEND 25-12 (2420'FSL & 2187'FEL)
Area	COLORADO	Well	RIVERBEND 25-12
Field	WELD COUNTY (KERR MCGEE)	Wellbore	RIVERBEND 25-12 awb
Facility	SEC.12-T1N-R67W		

WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
8049.00	0.600	91.900	8001.81	LAST BHI MWD SURVEY
8105.00	0.600	91.900	8057.81	PROJECTION TO BIT