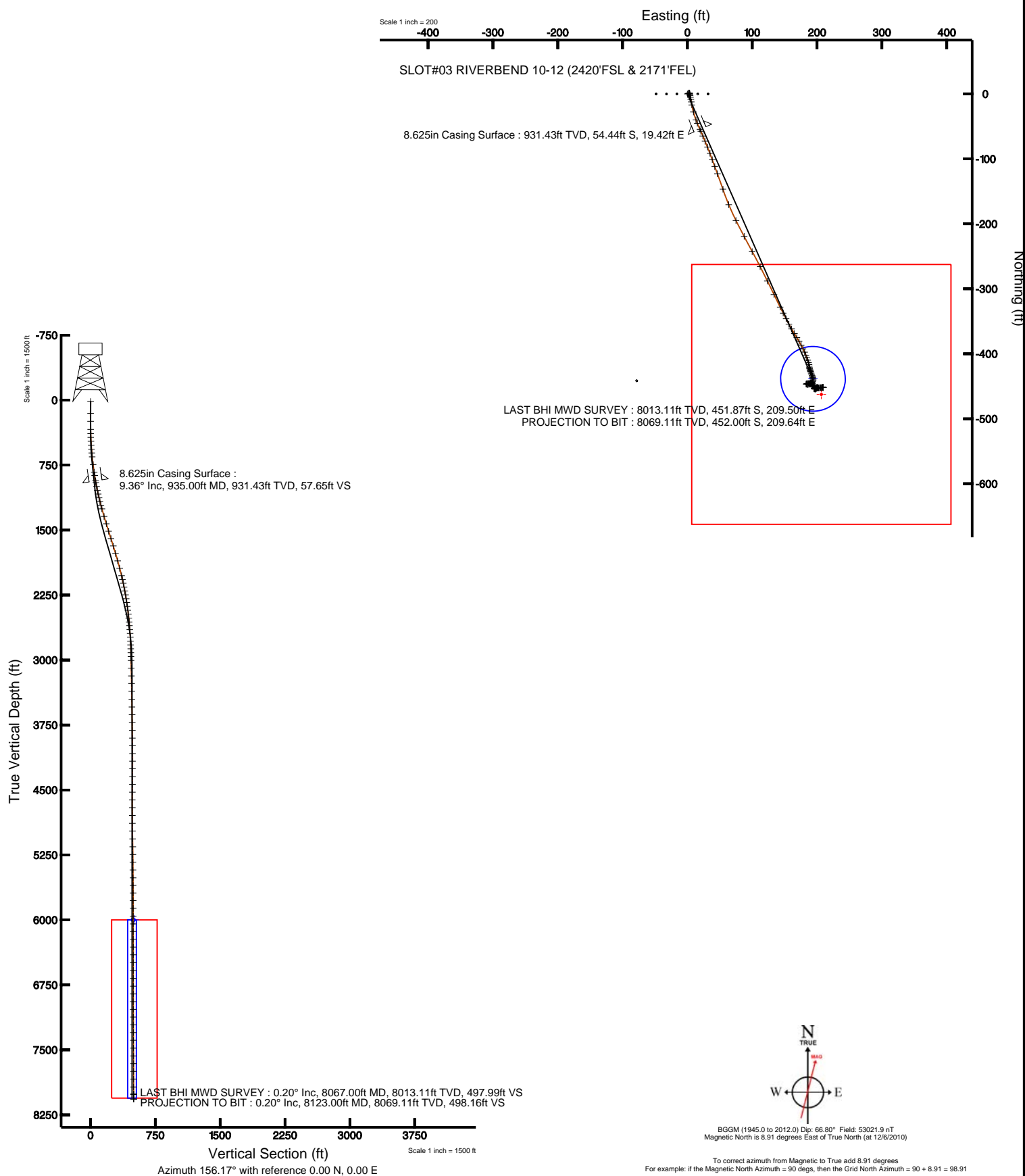


Location:	COLORADO	Slot:	SLOT#03 RIVERBEND 10-12 (2420'FSL & 2171'FEL)
Field:	WELD COUNTY (KERR MCGEE)	Well:	RIVERBEND 10-12
Facility:	SEC.12-T1N-R67W	Wellbore:	RIVERBEND 10-12 PWB



Plot reference weightings is RIVERBEND-10-12 (REV.8) P/WP True vertical depths are referenced to XTREME 15 (RKB) Measured depths are referenced to XTREME 15 (RKB) XTREME 15 (RKB) to Mean Sea Level: 4928 feet Mean Sea Level to Mud line (Facility: SEC-12-T1N-R67W): 0 feet Coordinates are in feet referenced to Spt		Grid System: NAD83 / Lambert Colorado State Planes, Northern Zone (501) US feet North Reference: True north Scale: True distance Depths are in feet Created by: ccookman on 1/27/2011
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Actual Wellpath Report

RIVERBEND 10-12 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#03 RIVERBEND 10-12 (2420'FSL & 2171'FEL)
Area	COLORADO	Well	RIVERBEND 10-12
Field	WELD COUNTY (KERR MCGEE)	Wellbore	RIVERBEND 10-12 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	1/27/2011 at 4:03:18 PM
Convergence at slot	0.43° East	Database/Source file	Denver Server/RIVERBEND_10-12_AWB.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	0.00	-31.91	3185404.47	1267204.85	40°03'53.878"N	104°50'15.241"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	156.17°



Actual Wellpath Report

RIVERBEND 10-12 AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#03 RIVERBEND 10-12 (2420'FSL & 2171'FEL)
Area	COLORADO	Well	RIVERBEND 10-12
Field	WELD COUNTY (KERR MCGEE)	Wellbore	RIVERBEND 10-12 AWB
Facility	SEC.12-T1N-R67W		

WELLPATH DATA (111 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	54.300	0.00	0.00	0.00	0.00	0.00	
15.00	0.000	54.300	15.00	0.00	0.00	0.00	0.00	
151.00	1.200	54.300	150.99	-0.29	0.83	1.16	0.88	
243.00	0.700	84.900	242.98	-0.31	1.44	2.50	0.76	
337.00	0.400	141.100	336.97	0.19	1.24	3.28	0.62	
384.00	1.200	167.500	383.97	0.83	0.63	3.49	1.83	
429.00	2.100	170.300	428.95	2.09	-0.64	3.73	2.01	
474.00	2.900	164.300	473.91	4.02	-2.55	4.17	1.87	
520.00	3.700	171.700	519.83	6.60	-5.14	4.70	1.97	
565.00	4.700	168.900	564.71	9.80	-8.39	5.27	2.27	
610.00	5.600	170.600	609.53	13.72	-12.36	5.98	2.03	
655.00	6.400	169.600	654.28	18.29	-16.99	6.79	1.79	
744.00	7.900	165.000	742.59	29.16	-27.78	9.27	1.80	
834.00	8.500	159.400	831.67	41.91	-39.98	13.21	1.11	
872.00	8.900	155.900	869.23	47.66	-45.29	15.40	1.75	
955.00	9.500	156.900	951.16	60.92	-57.46	20.71	0.75	
1000.00	10.600	156.900	995.47	68.78	-64.68	23.79	2.44	
1045.00	12.100	156.900	1039.59	77.63	-72.82	27.27	3.33	
1090.00	13.000	157.600	1083.51	87.41	-81.84	31.04	2.03	
1135.00	13.300	158.700	1127.33	97.64	-91.34	34.85	0.87	
1179.00	14.300	161.600	1170.06	108.11	-101.22	38.41	2.76	
1223.00	15.200	159.200	1212.61	119.28	-111.77	42.17	2.47	
1267.00	15.900	160.100	1255.00	131.05	-122.82	46.27	1.68	
1358.00	16.400	160.400	1342.41	156.30	-146.65	54.82	0.56	
1446.00	17.100	158.700	1426.68	181.61	-170.41	63.69	0.97	
1536.00	17.800	152.000	1512.54	208.55	-194.88	74.96	2.36	
1626.00	17.700	153.100	1598.26	235.93	-219.23	87.60	0.39	
1715.00	17.000	151.600	1683.21	262.41	-242.74	99.91	0.93	
1805.00	16.900	152.400	1769.30	288.58	-265.91	112.23	0.28	
1894.00	15.400	154.100	1854.79	313.30	-288.00	123.39	1.77	
1983.00	14.700	153.800	1940.73	336.39	-308.77	133.54	0.79	
2071.00	13.800	153.400	2026.03	358.03	-328.17	143.16	1.03	
2116.00	13.000	153.400	2069.80	368.45	-337.49	147.83	1.78	
2161.00	12.000	152.400	2113.73	378.17	-346.16	152.27	2.27	
2207.00	11.400	152.000	2158.78	387.48	-354.42	156.62	1.32	
2251.00	10.800	149.900	2201.95	395.91	-361.82	160.73	1.64	
2297.00	10.000	147.100	2247.20	404.14	-368.90	165.06	2.06	
2342.00	8.600	149.500	2291.61	411.34	-375.08	168.89	3.23	
2387.00	8.800	149.200	2336.09	418.10	-380.94	172.36	0.46	
2432.00	8.400	154.100	2380.58	424.80	-386.85	175.56	1.85	
2477.00	7.600	152.700	2425.14	431.06	-392.45	178.36	1.83	
2523.00	6.800	155.200	2470.78	436.82	-397.63	180.89	1.87	
2568.00	5.800	161.500	2515.51	441.74	-402.20	182.73	2.70	
2613.00	5.300	159.400	2560.30	446.08	-406.31	184.19	1.20	
2656.00	4.900	159.000	2603.13	449.90	-409.88	185.54	0.93	



Actual Wellpath Report

RIVERBEND 10-12 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#03 RIVERBEND 10-12 (2420'FSL & 2171'FEL)
Area	COLORADO	Well	RIVERBEND 10-12
Field	WELD COUNTY (KERR MCGEE)	Wellbore	RIVERBEND 10-12 AWB
Facility	SEC.12-T1N-R67W		

WELLPATH DATA (111 stations)								
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
2702.00	4.800	162.200	2648.96	453.78	-413.55	186.84	0.63	
2746.00	3.800	168.900	2692.84	457.03	-416.73	187.68	2.54	
2790.00	2.600	177.000	2736.77	459.39	-419.16	188.01	2.91	
2836.00	2.400	170.300	2782.73	461.29	-421.15	188.23	0.77	
2879.00	2.200	165.000	2825.69	462.98	-422.83	188.59	0.68	
2924.00	1.900	165.400	2870.66	464.57	-424.39	189.01	0.67	
2969.00	1.600	161.500	2915.64	465.93	-425.71	189.39	0.72	
3013.00	1.600	153.100	2959.62	467.16	-426.84	189.87	0.53	
3058.00	1.400	163.600	3004.61	468.33	-427.93	190.31	0.75	
3147.00	1.400	157.300	3093.58	470.50	-429.97	191.03	0.17	
3237.00	1.300	162.200	3183.56	472.61	-431.96	191.77	0.17	
3324.00	1.000	159.000	3270.54	474.35	-433.61	192.34	0.35	
3414.00	1.100	161.500	3360.52	476.00	-435.16	192.90	0.12	
3505.00	0.600	171.000	3451.51	477.33	-436.46	193.25	0.57	
3595.00	0.900	164.000	3541.51	478.48	-437.60	193.52	0.35	
3685.00	1.300	169.600	3631.49	480.18	-439.29	193.90	0.46	
3776.00	1.000	187.200	3722.47	481.86	-441.09	193.98	0.51	
3865.00	0.800	213.500	3811.46	482.86	-442.38	193.54	0.51	
3955.00	0.900	210.000	3901.45	483.62	-443.51	192.84	0.13	
4044.00	0.700	232.500	3990.44	484.16	-444.45	192.06	0.41	
4133.00	0.700	225.500	4079.44	484.48	-445.16	191.24	0.10	
4221.00	0.800	248.700	4167.43	484.64	-445.76	190.29	0.36	
4309.00	1.100	238.100	4255.42	484.73	-446.43	189.00	0.39	
4399.00	1.400	247.300	4345.40	484.83	-447.31	187.25	0.40	
4490.00	0.900	294.700	4436.38	484.28	-447.44	185.58	1.13	
4579.00	1.100	284.900	4525.36	483.22	-446.93	184.11	0.29	
4669.00	0.300	277.900	4615.36	482.55	-446.68	183.05	0.89	
4758.00	1.300	77.800	4704.35	482.63	-446.43	183.80	1.78	
4848.00	1.200	61.300	4794.33	482.76	-445.76	185.63	0.41	
4939.00	0.800	88.400	4885.32	482.92	-445.29	187.10	0.67	
5029.00	1.300	117.200	4975.30	483.95	-445.74	188.63	0.79	
5119.00	1.300	133.000	5065.28	485.68	-446.90	190.29	0.40	
5210.00	1.500	134.100	5156.25	487.74	-448.43	191.90	0.22	
5299.00	0.700	83.400	5245.24	488.98	-449.18	193.28	1.33	
5388.00	0.600	122.500	5334.23	489.52	-449.37	194.21	0.50	
5477.00	0.700	111.900	5423.23	490.30	-449.82	195.11	0.18	
5568.00	1.200	117.900	5514.21	491.45	-450.48	196.46	0.56	
5656.00	0.100	343.600	5602.21	492.10	-450.83	197.26	1.45	
5743.00	0.400	194.200	5689.21	492.26	-451.05	197.16	0.56	
5831.00	0.400	188.900	5777.20	492.76	-451.66	197.04	0.04	
5921.00	0.400	191.000	5867.20	493.28	-452.27	196.93	0.02	
6011.00	0.800	214.600	5957.20	493.87	-453.10	196.51	0.51	
6100.00	0.600	263.100	6046.19	494.06	-453.67	195.70	0.68	
6188.00	0.400	55.000	6134.19	493.86	-453.55	195.49	1.10	
6277.00	0.400	139.300	6223.19	494.10	-453.60	195.95	0.60	



Actual Wellpath Report

RIVERBEND 10-12 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#03 RIVERBEND 10-12 (2420'FSL & 2171'FEL)
Area	COLORADO	Well	RIVERBEND 10-12
Field	WELD COUNTY (KERR MCGEE)	Wellbore	RIVERBEND 10-12 AWB
Facility	SEC.12-T1N-R67W		

WELLPATH DATA (111 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
6368.00	0.600	144.300	6314.18	494.87	-454.23	196.43	0.22	
6458.00	0.400	67.600	6404.18	495.34	-454.49	197.00	0.71	
6548.00	0.600	66.200	6494.18	495.35	-454.18	197.72	0.22	
6638.00	0.800	49.000	6584.17	495.16	-453.58	198.63	0.32	
6729.00	0.500	62.700	6675.17	494.95	-452.98	199.46	0.37	
6819.00	0.500	18.400	6765.16	494.64	-452.43	199.93	0.42	
6909.00	0.200	357.300	6855.16	494.20	-451.90	200.05	0.36	
6998.00	0.200	206.800	6944.16	494.15	-451.88	199.97	0.43	
7087.00	0.200	57.800	7033.16	494.23	-451.94	200.03	0.43	
7176.00	0.400	122.500	7122.16	494.47	-452.02	200.43	0.41	
7265.00	0.500	109.800	7211.16	494.99	-452.32	201.05	0.16	
7355.00	0.500	98.600	7301.15	495.47	-452.51	201.81	0.11	
7444.00	0.600	86.300	7390.15	495.84	-452.54	202.66	0.17	
7535.00	1.000	86.300	7481.14	496.28	-452.46	203.93	0.44	
7625.00	0.800	79.600	7571.13	496.70	-452.30	205.33	0.25	
7714.00	0.600	89.100	7660.12	497.02	-452.18	206.41	0.26	
7803.00	0.800	83.800	7749.12	497.39	-452.10	207.49	0.24	
7893.00	0.440	81.000	7839.11	497.67	-451.98	208.46	0.40	
7983.00	0.400	75.400	7929.11	497.81	-451.85	209.10	0.06	
8067.00	0.200	130.900	8013.11	497.99	-451.87	209.50	0.39	LAST BHI MWD SURVEY
8123.00	0.200	130.900	8069.11	498.16	-452.00	209.64	0.00	PROJECTION TO BIT

HOLE & CASING SECTIONS Ref Wellbore: RIVERBEND 10-12 AWB Ref Wellpath: RIVERBEND 10-12 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	931.43	0.00	0.00	-54.44	19.42
8.625in Casing Surface	15.00	935.00	920.00	15.00	931.43	0.00	0.00	-54.44	19.42
7.875in Open Hole	935.00	8123.00	7188.00	931.43	8069.11	-54.44	19.42	-452.00	209.64



Actual Wellpath Report

RIVERBEND 10-12 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#03 RIVERBEND 10-12 (2420'FSL & 2171'FEL)
Area	COLORADO	Well	RIVERBEND 10-12
Field	WELD COUNTY (KERR MCGEE)	Wellbore	RIVERBEND 10-12 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 10-12 GEO TARGET 50' RADIUS (1980'FSL & 1980'FEL, REV-1)		6000.00	-438.61	193.69	3185601.43	1266767.72	40°03'49.543"N	104°50'12.750"W	circle
RIVERBEND 10-12 LEGAL BOX (224'S,176'N,213'E,187'W OF GEO TARGET)		6000.00	-462.61	206.69	3185614.60	1266743.81	40°03'49.306"N	104°50'12.583"W	square

WELLPATH COMPOSITION Ref Wellbore: RIVERBEND 10-12 AWB Ref Wellpath: RIVERBEND 10-12 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
15.00	872.00	NaviTrak (Standard)	BHI MWD SURVEYS 12.25 HOLE <151-872>	RIVERBEND 10-12 AWB
872.00	8067.00	NaviTrak (Standard)	BHI MWD SURVEYS 7.875 HOLE <955-8067>	RIVERBEND 10-12 AWB
8067.00	8123.00	Blind Drilling (std)	Projection to bit	RIVERBEND 10-12 AWB



Actual Wellpath Report

RIVERBEND 10-12 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#03 RIVERBEND 10-12 (2420'FSL & 2171'FEL)
Area	COLORADO	Well	RIVERBEND 10-12
Field	WELD COUNTY (KERR MCGEE)	Wellbore	RIVERBEND 10-12 AWB
Facility	SEC.12-T1N-R67W		

WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
8067.00	0.200	130.900	8013.11	LAST BHI MWD SURVEY
8123.00	0.200	130.900	8069.11	PROJECTION TO BIT