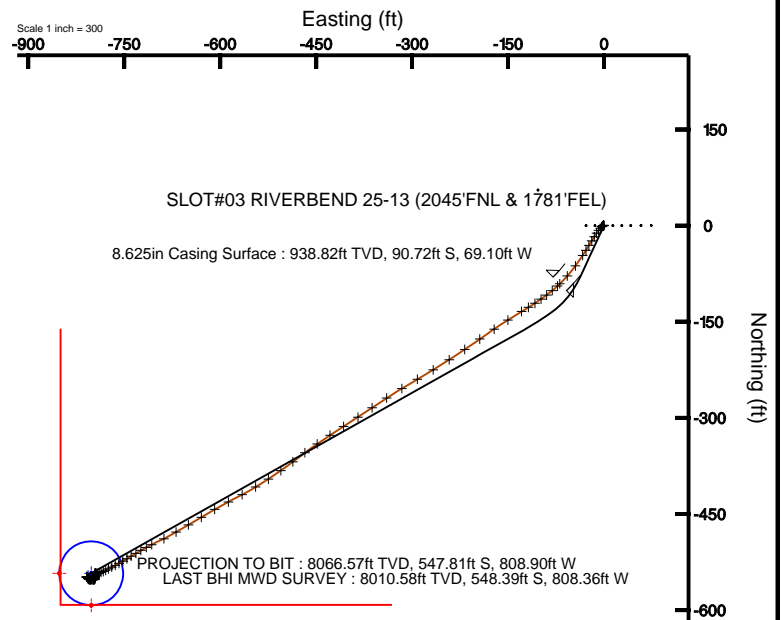
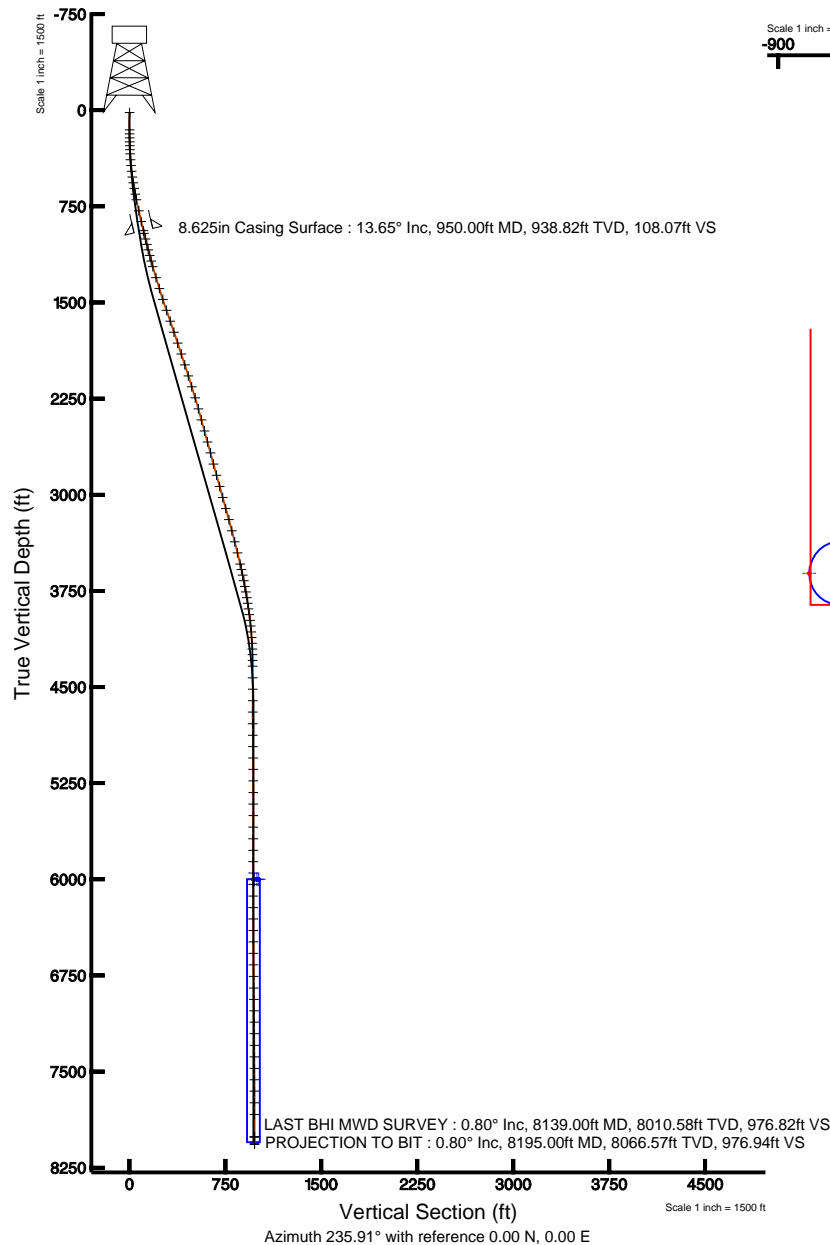


KERR MCGEE OIL & GAS ONSHORE LP

Location: COLORADO Slot: SLOT#03 RIVERBEND 25-13 (2045'FNL & 1781'FEL)
 Field: WELD COUNTY (KERR MCGEE) Well: RIVERBEND 25-13
 Facility: SEC.13-T1N-R67W Wellbore: RIVERBEND 25-13 PWB



Plot reference wellpath is RIVERBEND 25-13 (REV-B.0) PWB	
True vertical depths are referenced to XTREME 7 (RKB)	Grid System: NAD83 / Lambert Colorado State Planes, Northern Zone (501), US feet
Measured depths are referenced to XTREME 7 (RKB)	North Reference: True north
XTREME 7 (RKB) to Mean Sea Level: 4634 feet	Scale: True distance
Mean Sea Level to Mud line (Facility: SEC.13-T1N-R67W): 0 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: cookdarm on 1/27/2011



N
TRUE
MAG

W E

BGGM (1945.0 to 2012.0) Dip: 66.79° Field: 53021.7 nT
 Magnetic North is 8.92 degrees East of True North (at 11/16/2010)

To correct azimuth from Magnetic to True add 8.92 degrees
 For example: if the Magnetic North Azimuth = 90 degs, then the Grid North Azimuth = 90 + 8.92 = 98.92



Actual Wellpath Report

RIVERBEND 25-13 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#03 RIVERBEND 25-13 (2045'FNL & 1781'FEL)
Area	COLORADO	Well	RIVERBEND 25-13
Field	WELD COUNTY (KERR MCGEE)	Wellbore	RIVERBEND 25-13 AWB
Facility	SEC.13-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	0.999963	Report Generated	1/27/2011 at 1:00:39 PM
Convergence at slot	0.43° East	Database/Source file	Denver Server/RIVERBEND_25-13_AWB.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	0.36	22.11	3185852.38	1262745.33	40°03'09.774"N	104°50'09.910"W
Facility Reference Pt			3185830.27	1262744.80	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 7 (RKB) to Facility Vertical Datum	4934.00ft
Horizontal Reference Pt	Slot	XTREME 7 (RKB) to Mean Sea Level	4934.00ft
Vertical Reference Pt	XTREME 7 (RKB)	Facility Vertical Datum to Mud Line (Facility)	0.00ft
MD Reference Pt	XTREME 7 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	235.91°



Actual Wellpath Report

RIVERBEND 25-13 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#03 RIVERBEND 25-13 (2045'FNL & 1781'FEL)
Area	COLORADO	Well	RIVERBEND 25-13
Field	WELD COUNTY (KERR MCGEE)	Wellbore	RIVERBEND 25-13 AWB
Facility	SEC.13-T1N-R67W		

WELLPATH DATA (112 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	322.500	0.00	0.00	0.00	0.00	0.00	
17.00	0.000	322.500	17.00	0.00	0.00	0.00	0.00	
152.00	0.400	322.500	152.00	0.03	0.37	-0.29	0.30	
183.00	0.500	315.500	183.00	0.06	0.56	-0.45	0.37	
214.00	0.500	252.200	214.00	0.21	0.61	-0.67	1.69	
245.00	1.100	232.200	244.99	0.64	0.39	-1.04	2.11	
276.00	1.600	235.700	275.99	1.37	-0.04	-1.63	1.63	
307.00	2.400	232.900	306.97	2.45	-0.67	-2.50	2.60	
339.00	3.100	225.100	338.93	3.97	-1.69	-3.65	2.48	
386.00	4.600	223.000	385.82	7.06	-3.96	-5.84	3.21	
431.00	6.200	216.700	430.62	11.11	-7.23	-8.52	3.79	
476.00	7.700	213.500	475.29	16.19	-11.70	-11.64	3.44	
521.00	8.900	212.500	519.82	22.17	-17.15	-15.17	2.69	
567.00	10.100	211.100	565.19	29.10	-23.60	-19.17	2.66	
612.00	11.200	211.100	609.41	36.65	-30.72	-23.46	2.44	
657.00	11.900	212.100	653.50	44.86	-38.39	-28.18	1.62	
702.00	12.400	213.200	697.49	53.56	-46.37	-33.29	1.22	
791.00	13.500	216.000	784.23	72.14	-62.77	-44.63	1.42	
877.00	13.500	222.000	867.85	91.33	-78.35	-57.25	1.63	
971.00	13.700	226.500	959.22	112.96	-94.17	-72.67	1.15	
1016.00	14.100	230.800	1002.90	123.68	-101.30	-80.78	2.46	
1061.00	14.700	232.200	1046.49	134.83	-108.26	-89.54	1.54	
1104.00	14.500	235.300	1088.10	145.66	-114.67	-98.28	1.88	
1150.00	14.900	236.700	1132.60	157.33	-121.20	-107.96	1.16	
1195.00	15.900	239.900	1175.98	169.27	-127.46	-118.12	2.92	
1240.00	16.200	238.500	1219.23	181.69	-133.84	-128.81	1.09	
1330.00	16.400	236.700	1305.61	206.93	-147.37	-150.13	0.60	
1419.00	17.400	236.400	1390.77	232.80	-161.63	-171.72	1.13	
1508.00	18.200	235.300	1475.50	260.01	-176.91	-194.23	0.98	
1598.00	18.900	235.300	1560.83	288.64	-193.21	-217.77	0.78	
1687.00	19.200	237.400	1644.96	317.68	-209.30	-241.95	0.84	
1778.00	18.700	238.500	1731.02	347.21	-224.98	-266.99	0.68	
1868.00	18.700	239.900	1816.27	376.02	-239.76	-291.78	0.50	
1957.00	18.400	238.800	1900.65	404.28	-254.19	-316.14	0.52	
2047.00	17.800	237.100	1986.20	432.22	-269.02	-339.84	0.89	
2137.00	17.600	235.700	2071.94	459.58	-284.16	-362.63	0.52	
2226.00	17.200	236.700	2156.86	486.19	-298.97	-384.74	0.56	
2317.00	17.000	237.800	2243.84	512.94	-313.44	-407.24	0.42	
2406.00	15.900	236.700	2329.20	538.14	-327.07	-428.44	1.28	
2496.00	15.300	235.300	2415.88	562.34	-340.60	-448.51	0.79	
2585.00	15.500	232.900	2501.69	585.96	-354.46	-467.65	0.75	
2674.00	15.200	233.600	2587.51	609.49	-368.55	-486.52	0.40	
2763.00	15.200	233.900	2673.40	632.81	-382.35	-505.34	0.09	
2853.00	15.100	238.100	2760.27	656.31	-395.50	-524.83	1.22	
2943.00	15.200	238.500	2847.14	679.82	-407.86	-544.84	0.16	



Actual Wellpath Report

RIVERBEND 25-13 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#03 RIVERBEND 25-13 (2045'FNL & 1781'FEL)
Area	COLORADO	Well	RIVERBEND 25-13
Field	WELD COUNTY (KERR MCGEE)	Wellbore	RIVERBEND 25-13 AWB
Facility	SEC.13-T1N-R67W		

WELLPATH DATA (112 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
3034.00	15.600	241.700	2934.88	703.91	-419.89	-565.79	1.03	
3124.00	15.900	242.700	3021.50	728.19	-431.28	-587.40	0.45	
3213.00	15.800	240.300	3107.12	752.38	-442.88	-608.75	0.74	
3303.00	15.400	238.500	3193.80	776.53	-455.19	-629.59	0.70	
3393.00	14.800	240.600	3280.69	799.92	-467.08	-649.79	0.90	
3482.00	14.400	239.200	3366.82	822.30	-478.33	-669.20	0.60	
3571.00	13.900	243.400	3453.12	843.95	-488.78	-688.27	1.28	
3661.00	13.200	244.500	3540.62	864.83	-498.05	-707.21	0.83	
3704.00	12.600	242.700	3582.53	874.34	-502.31	-715.81	1.68	
3749.00	12.000	240.600	3626.50	883.88	-506.86	-724.24	1.66	
3794.00	11.300	238.800	3670.57	892.94	-511.44	-732.09	1.75	
3839.00	10.600	238.500	3714.75	901.48	-515.89	-739.39	1.56	
3883.00	9.900	239.200	3758.05	909.30	-519.94	-746.09	1.62	
3928.00	9.200	239.200	3802.43	916.75	-523.76	-752.50	1.56	
3972.00	8.500	241.700	3845.90	923.50	-527.10	-758.39	1.81	
4017.00	8.400	242.700	3890.41	930.07	-530.19	-764.24	0.39	
4062.00	7.600	242.700	3934.97	936.29	-533.06	-769.80	1.78	
4107.00	6.900	241.300	3979.61	941.94	-535.72	-774.82	1.60	
4152.00	5.900	242.700	4024.33	946.93	-538.08	-779.24	2.25	
4198.00	4.900	245.200	4070.13	951.21	-539.99	-783.13	2.23	
4242.00	4.300	252.600	4113.99	954.65	-541.27	-786.41	1.92	
4287.00	3.500	252.600	4158.88	957.58	-542.19	-789.33	1.78	
4332.00	2.500	252.900	4203.82	959.83	-542.89	-791.58	2.22	
4375.00	1.800	271.900	4246.79	961.28	-543.14	-793.15	2.30	
4420.00	1.300	300.700	4291.77	962.07	-542.85	-794.29	2.02	
4465.00	1.000	318.300	4336.77	962.34	-542.30	-794.99	1.02	
4556.00	0.400	212.500	4427.76	962.73	-541.98	-795.69	1.29	
4645.00	0.400	185.700	4516.76	963.22	-542.55	-795.89	0.21	
4735.00	1.300	140.100	4606.75	963.31	-543.64	-795.27	1.18	
4824.00	0.800	106.700	4695.73	962.82	-544.60	-794.02	0.87	
4915.00	0.500	233.900	4786.73	962.82	-545.01	-793.74	1.29	
5005.00	0.800	205.800	4876.73	963.75	-545.81	-794.33	0.48	
5094.00	0.600	277.900	4965.72	964.63	-546.30	-795.06	0.94	
5182.00	0.800	248.700	5053.71	965.58	-546.46	-796.09	0.46	
5271.00	0.900	235.300	5142.70	966.88	-547.09	-797.24	0.25	
5361.00	0.400	354.200	5232.70	967.44	-547.18	-797.85	1.28	
5452.00	0.100	32.800	5323.70	967.22	-546.80	-797.84	0.36	
5542.00	0.100	82.100	5413.70	967.07	-546.72	-797.72	0.09	
5632.00	0.200	105.600	5503.70	966.90	-546.75	-797.49	0.13	
5722.00	0.300	128.100	5593.70	966.73	-546.94	-797.16	0.15	
5813.00	0.200	132.000	5684.70	966.62	-547.19	-796.85	0.11	
5903.00	0.100	97.200	5774.70	966.52	-547.31	-796.66	0.15	
5991.00	0.200	114.700	5862.70	966.38	-547.38	-796.44	0.12	
6080.00	0.100	45.500	5951.70	966.23	-547.39	-796.24	0.21	
6169.00	0.200	5.400	6040.70	966.05	-547.18	-796.17	0.16	



Actual Wellpath Report

RIVERBEND 25-13 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#03 RIVERBEND 25-13 (2045'FNL & 1781'FEL)
Area	COLORADO	Well	RIVERBEND 25-13
Field	WELD COUNTY (KERR MCGEE)	Wellbore	RIVERBEND 25-13 AWB
Facility	SEC.13-T1N-R67W		

WELLPATH DATA (112 stations)								
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
6259.00	0.100	241.700	6130.70	966.03	-547.06	-796.23	0.30	
6350.00	0.100	172.400	6221.70	966.14	-547.18	-796.29	0.12	
6438.00	0.500	190.300	6309.69	966.45	-547.63	-796.35	0.46	
6528.00	0.600	175.600	6399.69	966.95	-548.49	-796.38	0.19	
6617.00	0.800	179.100	6488.68	967.52	-549.57	-796.34	0.23	
6707.00	0.900	163.600	6578.67	968.08	-550.88	-796.13	0.28	
6797.00	0.600	229.400	6668.67	968.77	-551.87	-796.28	0.95	
6887.00	0.600	213.900	6758.66	969.67	-552.56	-796.90	0.18	
6977.00	1.100	280.700	6848.65	970.72	-552.79	-798.02	1.14	
7066.00	1.000	259.600	6937.64	972.04	-552.78	-799.62	0.45	
7155.00	1.100	279.600	7026.63	973.37	-552.77	-801.23	0.42	
7243.00	1.000	269.400	7114.61	974.62	-552.64	-802.83	0.24	
7334.00	0.500	282.100	7205.60	975.56	-552.57	-804.01	0.58	
7424.00	0.400	293.300	7295.60	976.00	-552.36	-804.68	0.15	
7514.00	0.400	295.400	7385.60	976.33	-552.10	-805.25	0.02	
7605.00	0.300	323.600	7476.60	976.50	-551.77	-805.68	0.22	
7693.00	0.300	326.600	7564.59	976.50	-551.39	-805.95	0.02	
7782.00	0.400	332.700	7653.59	976.46	-550.92	-806.22	0.12	
7873.00	0.400	322.900	7744.59	976.44	-550.39	-806.55	0.08	
7964.00	0.500	317.200	7835.59	976.52	-549.84	-807.02	0.12	
8139.00	0.800	317.200	8010.58	976.82	-548.39	-808.36	0.17	LAST BHI MWD SURVEY
8195.00	0.800	317.200	8066.57	976.94	-547.81	-808.90	0.00	PROJECTION TO BIT

HOLE & CASING SECTIONS Ref Wellbore: RIVERBEND 25-13 AWB Ref Wellpath: RIVERBEND 25-13 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	17.00	950.00	933.00	17.00	938.82	0.00	0.00	-90.72	-69.10
8.625in Casing Surface	17.00	950.00	933.00	17.00	938.82	0.00	0.00	-90.72	-69.10
7.875in Open Hole	950.00	8195.00	7245.00	938.82	8066.57	-90.72	-69.10	-547.81	-808.90



Actual Wellpath Report

RIVERBEND 25-13 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#03 RIVERBEND 25-13 (2045'FNL & 1781'FEL)
Area	COLORADO	Well	RIVERBEND 25-13
Field	WELD COUNTY (KERR MCGEE)	Wellbore	RIVERBEND 25-13 AWB
Facility	SEC.13-T1N-R67W		

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
RIVERBEND 25-13 BHL ON PLAT (2590'FNL & 2590'FEL, REV-1)		6000.00	-548.61	-806.82	3185049.72	1262190.71	40°03'04.352"N	104°50'20.285"W	point
RIVERBEND 25-13 GEO TARGET 50' RADIUS (2584'FNL & 2585'FEL, REV-2)		6000.00	-542.61	-801.83	3185054.67	1262196.75	40°03'04.412"N	104°50'20.221"W	circle
RIVERBEND 25-13 HARDLINE 50'S OF GEO TARGET		6000.00	-592.61	-801.83	3185055.04	1262146.75	40°03'03.918"N	104°50'20.221"W	point
RIVERBEND 25-13 HARDLINES 50'W OF GEO TARGET		6000.00	-542.61	-851.83	3185004.67	1262196.37	40°03'04.412"N	104°50'20.864"W	point

WELLPATH COMPOSITION					Ref Wellbore: RIVERBEND 25-13 AWB	Ref Wellpath: RIVERBEND 25-13 AWP
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment		Wellbore	
17.00	877.00	NaviTrak (Standard)	BHI MWD SURVEYS 12.25 HOLE <152-877>		RIVERBEND 25-13 AWB	
877.00	8139.00	NaviTrak (Standard)	BHI MWD SURVEYS 7.875 <971-8139>		RIVERBEND 25-13 AWB	
8139.00	8195.00	Blind Drilling (std)	Projection to bit		RIVERBEND 25-13 AWB	



Actual Wellpath Report

RIVERBEND 25-13 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#03 RIVERBEND 25-13 (2045'FNL & 1781'FEL)
Area	COLORADO	Well	RIVERBEND 25-13
Field	WELD COUNTY (KERR MCGEE)	Wellbore	RIVERBEND 25-13 AWB
Facility	SEC.13-T1N-R67W		

WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
8139.00	0.800	317.200	8010.58	LAST BHI MWD SURVEY
8195.00	0.800	317.200	8066.57	PROJECTION TO BIT