





# Actual Wellpath Report

Riverbend 38-12\_awp

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REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#30 RIVERBEND 38-12 (566'FNL & 487'FEL)
Area	COLORADO	Well	RIVERBEND 38-12
Field	WELD COUNTY (KERR MCGEE)	Wellbore	Riverbend 38-12
Facility	SEC.13-T1N-R67W		

REPORT SETUP INFORMATION			
Projection System	NAD83 / Lambert Colorado SP, Northern Zone (501), US feet	Software System	WellArchitect® 3.0.0
North Reference	True	User	Harradad
Scale	0.999963	Report Generated	11/15/2011 at 2:55:13 PM
Convergence at slot	0.43° East	Database/Source file	WellArchitectDB_01/Riverbend_38-12.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	1486.34	1310.93	3187129.99	1264240.81	40°03'24.458"N	104°49'53.335"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#30 RIVERBEND 38-12 (566'FNL & 487'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	35.14°



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Facility	SEC.13-T1N-R67W		

## WELLPATH DATA (78 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	30.600	0.00	0.00	0.00	0.00	0.00	
15.00	0.000	30.600	15.00	0.00	0.00	0.00	0.00	
148.00	0.300	30.600	148.00	0.35	0.30	0.18	0.23	
209.00	1.100	17.600	208.99	1.06	1.00	0.44	1.33	
271.00	2.100	30.600	270.97	2.76	2.54	1.19	1.71	
333.00	3.500	29.200	332.89	5.78	5.17	2.70	2.26	
424.00	5.500	39.100	423.61	12.89	10.98	6.80	2.35	
511.00	6.900	35.200	510.10	22.28	18.49	12.44	1.68	
601.00	7.200	37.300	599.42	33.32	27.39	18.98	0.44	
689.00	7.600	34.800	686.69	44.65	36.56	25.64	0.58	
780.00	7.500	36.300	776.90	56.61	46.28	32.59	0.24	
869.00	7.400	35.200	865.15	68.15	55.65	39.33	0.20	
965.00	6.900	39.100	960.40	80.08	65.18	46.53	0.73	
1068.00	6.900	33.400	1062.66	92.44	75.14	53.84	0.66	
1159.00	8.600	34.500	1152.82	104.71	85.31	60.71	1.88	
1248.00	10.400	40.100	1240.60	119.36	96.94	69.65	2.27	
1336.00	11.500	34.800	1327.00	136.05	110.22	79.77	1.69	
1426.00	13.500	34.100	1414.86	155.53	126.29	90.78	2.23	
1514.00	16.200	34.100	1499.91	178.07	144.96	103.43	3.07	
1603.00	18.300	34.800	1584.90	204.46	166.72	118.36	2.37	
1692.00	17.600	33.100	1669.57	231.88	189.47	133.69	0.98	
1780.00	16.800	32.700	1753.64	257.88	211.31	147.82	0.92	
1871.00	17.200	32.000	1840.66	284.46	233.79	162.06	0.49	
1956.00	16.300	29.900	1922.05	308.89	254.79	174.66	1.28	
2044.00	16.600	30.300	2006.45	333.71	276.35	187.16	0.36	
2134.00	16.700	31.700	2092.68	359.43	298.45	200.44	0.46	
2224.00	17.000	35.500	2178.82	385.49	320.16	214.88	1.27	
2314.00	17.100	34.800	2264.86	411.88	341.74	230.07	0.25	
2402.00	17.100	34.500	2348.97	437.75	363.03	244.78	0.10	
2489.00	17.800	37.300	2431.97	463.83	384.15	260.09	1.26	
2578.00	16.700	35.500	2516.96	490.22	405.38	275.75	1.37	
2667.00	16.200	31.300	2602.32	515.39	426.40	289.63	1.45	
2758.00	15.300	34.500	2689.91	540.06	447.14	303.03	1.37	
2846.00	16.300	37.700	2774.58	564.01	466.48	317.16	1.51	
2936.00	17.000	41.500	2860.81	589.71	486.33	333.60	1.44	
3023.00	17.600	31.300	2943.90	615.48	507.10	348.86	3.55	
3112.00	17.200	27.100	3028.83	641.93	530.31	361.85	1.48	
3201.00	14.900	28.900	3114.35	666.34	552.05	373.37	2.64	
3290.00	14.500	32.400	3200.44	688.84	571.47	384.87	1.09	
3380.00	11.000	40.800	3288.22	708.65	587.49	396.53	4.39	
3471.00	9.000	44.300	3377.83	724.32	599.16	407.17	2.30	
3559.00	6.200	41.500	3465.05	735.84	607.65	415.13	3.21	
3649.00	4.400	35.900	3554.66	744.12	614.08	420.37	2.08	
3739.00	3.300	32.000	3644.46	750.16	619.08	423.77	1.26	
3827.00	2.200	19.400	3732.35	754.32	622.82	425.67	1.42	



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Area	COLORADO	Well	RIVERBEND 38-12
Field	WELD COUNTY (KERR MCGEE)	Wellbore	Riverbend 38-12
Facility	SEC.13-T1N-R67W		

## WELLPATH DATA (78 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
3960.00	0.900	344.600	3865.30	757.44	626.23	426.25	1.16	
4093.00	1.100	327.000	3998.28	758.58	628.31	425.27	0.27	
4226.00	1.700	312.200	4131.24	759.29	630.71	423.12	0.52	
4360.00	2.200	309.100	4265.17	759.71	633.66	419.65	0.38	
4493.00	1.100	245.100	4398.12	758.78	634.74	416.51	1.49	
4628.00	0.800	263.400	4533.10	757.03	634.08	414.40	0.31	
4762.00	0.600	279.900	4667.09	756.11	634.09	412.78	0.21	
4895.00	1.000	282.000	4800.08	755.36	634.46	410.95	0.30	
5029.00	1.400	290.800	4934.05	754.49	635.28	408.28	0.33	
5164.00	1.500	266.900	5069.01	752.99	635.77	404.97	0.45	
5298.00	0.800	177.200	5202.99	751.17	634.74	403.27	1.27	
5433.00	0.600	172.700	5337.98	749.90	633.10	403.40	0.15	
5566.00	0.500	251.400	5470.97	748.92	632.22	402.94	0.53	
5701.00	1.000	251.100	5605.96	747.49	631.65	401.27	0.37	
5833.00	1.100	104.100	5737.95	747.01	630.97	401.41	1.53	
5967.00	0.800	110.100	5871.93	747.72	630.34	403.54	0.24	
6101.00	0.600	95.000	6005.92	748.31	629.95	405.11	0.20	
6237.00	0.300	89.000	6141.92	748.88	629.90	406.18	0.22	
6372.00	0.400	71.100	6276.91	749.47	630.06	406.98	0.11	
6504.00	0.200	0.400	6408.91	750.03	630.44	407.42	0.29	
6638.00	0.400	104.800	6542.91	750.39	630.55	407.87	0.37	
6771.00	0.700	170.200	6675.91	749.98	629.63	408.46	0.49	
6904.00	0.700	158.200	6808.90	748.96	628.08	408.90	0.11	
7039.00	0.700	119.600	6943.89	748.59	626.90	409.92	0.34	
7172.00	1.100	119.900	7076.87	748.78	625.87	411.73	0.30	
7307.00	2.500	105.200	7211.80	749.91	624.45	415.70	1.08	
7438.00	1.400	94.300	7342.72	751.70	623.58	420.05	0.88	
7572.00	0.500	27.100	7476.71	753.12	623.98	421.95	0.96	
7706.00	1.000	338.600	7610.70	754.34	625.59	421.79	0.57	
7838.00	1.100	327.000	7742.67	755.45	627.72	420.68	0.18	
7973.00	1.100	284.100	7877.65	755.47	629.12	418.72	0.60	
8120.00	1.100	283.000	8024.62	754.43	629.78	415.97	0.01	
8170.00	1.100	283.000	8074.62	754.07	630.00	415.04	0.00	Projection to Bit



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Area	COLORADO	Well	RIVERBEND 38-12
Field	WELD COUNTY (KERR MCGEE)	Wellbore	Riverbend 38-12
Facility	SEC.13-T1N-R67W		

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
RIVERBEND 38-12 GEO TARGET 50' RADIUS (50'FSL & 50'FEL, SEC.12, REV-1)		6000.00	617.88	434.97	3187560.27	1264861.93	40°03'30.564"N	104°49'47.741"W	circle
RIVERBEND 38-12 HARDLINE 50'E OF GEO TARGET		6000.00	617.88	484.97	3187610.27	1264862.30	40°03'30.564"N	104°49'47.098"W	point
RIVERBEND 38-12 HARDLINE 50'S OF GEO TARGET		6000.00	567.88	434.97	3187560.65	1264811.93	40°03'30.070"N	104°49'47.741"W	point

WELLPATH COMPOSITION - Ref Wellbore: Riverbend 38-12    Ref Wellpath: Riverbend 38-12_awp				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
15.00	965.00	NaviTrak (Standard)	12 1/4 Surface	Riverbend 38-12
965.00	8170.00	NaviTrak (Standard)	7 7/8 Production	Riverbend 38-12

SURVEY LOG COMMENTS				
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
8170.00	1.100	283.000	8074.62	Projection to Bit