





# Actual Wellpath Report

REIGLE 18-4 AWP

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INTEQ

## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#02 REIGLE 18-4 (2235'FNL & 2514'FWL)
Area	COLORADO	Well	REIGLE 18-4
Field	WELD COUNTY (KERR MCGEE)	Wellbore	REIGLE 18-4 AWB
Facility	SEC.04-T2N-R65W		

## 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	0.999958	Report Generated	6/9/2011 at 11:57:56 AM
Convergence at slot	0.54° East	Database/Source file	WA_DENVER/_REIGLE_18-4_AWB.xml

## WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	-16.03	-0.28	3232187.30	1305323.35	40°10'06.679"N	104°40'08.936"W
Facility Reference Pt			3232187.43	1305339.38	40°10'06.838"N	104°40'08.933"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 6 (RKB) to Facility Vertical Datum	4877.00ft
Horizontal Reference Pt	Slot	XTREME 6 (RKB) to Mean Sea Level	4877.00ft
Vertical Reference Pt	XTREME 6 (RKB)	Facility Vertical Datum to Mud Line (Facility)	0.00ft
MD Reference Pt	XTREME 6 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	304.44°



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## WELLPATH DATA (87 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	307.600	0.00	0.00	0.00	0.00	0.00	
16.00	0.000	307.600	16.00	0.00	0.00	0.00	0.00	
157.00	0.600	307.600	157.00	0.74	0.45	-0.58	0.43	
249.00	0.900	331.500	248.99	1.86	1.38	-1.31	0.46	
340.00	1.800	298.500	339.96	3.92	2.69	-2.91	1.27	
430.00	3.600	316.100	429.86	8.09	5.40	-6.11	2.18	
520.00	4.200	316.800	519.65	14.08	9.84	-10.33	0.67	
609.00	4.600	306.900	608.39	20.83	14.36	-15.41	0.96	
683.00	5.600	301.000	682.10	27.40	18.00	-20.88	1.52	
796.00	6.900	302.400	794.43	39.69	24.48	-31.34	1.16	
885.00	7.300	311.500	882.75	50.64	31.09	-40.09	1.34	
975.00	8.500	317.100	971.89	62.81	39.75	-48.90	1.58	
1067.00	8.800	322.800	1062.85	76.12	50.34	-57.78	0.99	
1157.00	10.400	318.500	1151.58	90.53	61.90	-67.32	1.95	
1246.00	11.600	319.600	1238.95	106.96	74.73	-78.45	1.37	
1335.00	12.700	314.300	1325.95	125.24	88.38	-91.25	1.76	
1425.00	14.900	305.900	1413.36	146.56	102.08	-107.71	3.30	
1514.00	17.300	303.100	1498.86	171.23	116.02	-128.06	2.83	
1603.00	19.800	298.500	1583.24	199.46	130.44	-152.40	3.25	
1693.00	19.600	297.400	1667.97	229.60	144.66	-179.20	0.47	
1782.00	18.500	297.100	1752.10	258.42	157.96	-205.02	1.24	
1873.00	18.500	293.600	1838.40	286.92	170.32	-231.11	1.22	
1962.00	19.300	295.000	1922.60	315.30	182.19	-257.38	1.03	
2052.00	18.200	295.000	2007.82	343.84	194.42	-283.60	1.22	
2142.00	17.300	297.100	2093.54	370.97	206.45	-308.25	1.23	
2232.00	16.900	299.900	2179.56	397.29	219.07	-331.50	1.02	
2321.00	16.700	301.300	2264.76	422.95	232.16	-353.64	0.51	
2412.00	17.600	306.900	2351.72	449.75	247.22	-375.82	2.07	
2502.00	18.000	309.800	2437.41	477.19	264.29	-397.38	1.08	
2591.00	17.800	311.900	2522.10	504.37	282.17	-418.07	0.76	
2682.00	19.000	310.800	2608.45	532.89	301.14	-439.64	1.37	
2772.00	20.700	308.700	2693.10	563.31	320.66	-463.15	2.05	
2862.00	22.700	304.800	2776.72	596.55	340.52	-489.82	2.74	
2953.00	21.300	303.800	2861.10	630.63	359.74	-517.98	1.59	
3043.00	20.700	305.200	2945.12	662.89	378.00	-544.56	0.87	
3133.00	20.100	305.500	3029.47	694.25	396.15	-570.15	0.68	
3222.00	21.100	307.300	3112.78	725.54	414.74	-595.34	1.33	
3309.00	19.400	302.400	3194.41	755.63	431.98	-620.00	2.76	
3398.00	19.000	301.700	3278.46	784.87	447.51	-644.81	0.52	
3488.00	19.300	306.900	3363.48	814.37	464.14	-669.17	1.92	
3577.00	18.500	302.400	3447.69	843.17	480.54	-692.86	1.87	
3666.00	19.500	297.100	3531.85	872.02	494.87	-718.00	2.24	
3755.00	19.300	305.200	3615.81	901.47	510.12	-743.25	3.03	
3843.00	20.700	305.500	3698.50	931.56	527.53	-767.80	1.60	
3934.00	19.800	303.800	3783.87	963.05	545.45	-793.70	1.18	



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Area	COLORADO	Well	REIGLE 18-4
Field	WELD COUNTY (KERR MCGEE)	Wellbore	REIGLE 18-4 AWB
Facility	SEC.04-T2N-R65W		

## WELLPATH DATA (87 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
4024.00	18.000	303.100	3869.02	992.20	561.52	-818.02	2.02	
4114.00	19.200	305.500	3954.32	1020.90	577.71	-841.71	1.58	
4202.00	19.000	307.300	4037.47	1049.67	594.79	-864.89	0.71	
4293.00	18.500	305.500	4123.64	1078.90	612.16	-888.43	0.84	
4383.00	17.100	305.200	4209.33	1106.41	628.08	-910.87	1.56	
4471.00	16.400	304.100	4293.60	1131.77	642.50	-931.73	0.87	
4560.00	19.000	303.800	4378.38	1158.83	657.60	-954.17	2.92	
4651.00	17.800	306.200	4464.73	1187.54	674.06	-977.71	1.56	
4739.00	18.800	310.100	4548.28	1215.10	691.14	-999.41	1.80	
4828.00	19.900	306.200	4632.25	1244.51	709.32	-1022.60	1.91	
4916.00	18.700	303.800	4715.31	1273.59	726.02	-1046.41	1.63	
5007.00	17.900	306.900	4801.71	1302.15	742.53	-1069.72	1.38	
5094.00	16.700	308.700	4884.77	1327.98	758.37	-1090.17	1.51	
5183.00	15.400	306.200	4970.30	1352.54	773.35	-1109.68	1.65	
5272.00	13.300	304.800	5056.52	1374.59	786.17	-1127.63	2.39	
5361.00	12.500	310.500	5143.27	1394.41	798.27	-1143.36	1.69	
5447.00	10.600	309.000	5227.53	1411.55	809.29	-1156.59	2.24	
5537.00	7.600	312.900	5316.39	1425.69	818.56	-1167.38	3.40	
5626.00	6.600	312.600	5404.70	1436.58	826.03	-1175.46	1.12	
5713.00	5.500	314.000	5491.22	1445.64	832.31	-1182.14	1.28	
5800.00	4.800	311.200	5577.87	1453.36	837.60	-1187.88	0.85	
5890.00	3.900	310.100	5667.61	1460.15	842.05	-1193.05	1.00	
5978.00	3.700	313.600	5755.41	1465.93	845.94	-1197.40	0.35	
6067.00	3.300	313.000	5844.25	1471.30	849.67	-1201.35	0.45	
6155.00	2.600	318.900	5932.13	1475.74	852.90	-1204.51	0.87	
6245.00	2.300	314.700	6022.05	1479.49	855.71	-1207.14	0.39	
6334.00	1.300	308.000	6111.00	1482.25	857.58	-1209.20	1.15	
6424.00	0.900	304.800	6200.99	1483.98	858.62	-1210.59	0.45	
6512.00	0.500	318.500	6288.98	1485.04	859.30	-1211.41	0.49	
6599.00	0.400	286.200	6375.98	1485.70	859.67	-1211.95	0.31	
6689.00	0.100	218.000	6465.98	1486.00	859.69	-1212.30	0.42	
6777.00	0.200	6.000	6553.98	1486.08	859.78	-1212.33	0.33	
6867.00	0.400	346.300	6643.97	1486.39	860.25	-1212.39	0.25	
6957.00	0.100	28.200	6733.97	1486.63	860.62	-1212.43	0.37	
7048.00	0.100	84.400	6824.97	1486.58	860.70	-1212.31	0.10	
7138.00	0.100	157.900	6914.97	1486.45	860.63	-1212.21	0.13	
7227.00	0.200	72.100	7003.97	1486.30	860.61	-1212.03	0.24	
7314.00	0.200	112.200	7090.97	1486.05	860.60	-1211.74	0.16	
7404.00	0.200	130.100	7180.97	1485.74	860.44	-1211.48	0.07	
7494.00	0.200	189.200	7270.97	1485.52	860.18	-1211.38	0.22	
7575.00	0.400	205.700	7351.97	1485.42	859.79	-1211.53	0.27	LAST BHI MWD SURVEY
7625.00	0.400	205.700	7401.97	1485.36	859.47	-1211.68	0.00	PROJECTION TO BIT



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Area	COLORADO	Well	REIGLE 18-4
Field	WELD COUNTY (KERR MCGEE)	Wellbore	REIGLE 18-4 AWB
Facility	SEC.04-T2N-R65W		

HOLE & CASING SECTIONS Ref Wellbore: REIGLE 18-4 AWB Ref Wellpath: REIGLE 18-4 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	0.00	738.00	738.00	0.00	736.81	0.00	0.00	20.95	-25.72
8.625in Casing Surface	16.00	728.00	712.00	16.00	726.86	0.00	0.00	20.39	-24.80
7.875in Open Hole	728.00	7625.00	6897.00	726.86	7401.97	20.39	-24.80	859.47	-1211.68

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
REIGLE 18-4 LEGAL BOX (521'N,279'S,459'E,341'W OF GEO TARGET)		6000.00	976.77	-1188.81	3230989.45	1306288.89	40°10'16.331"N	104°40'24.250"W	square
REIGLE 18-4 GEO TARGET 50' RADIUS (1380'FNL & 1257'FWL, REV-1)		6000.00	855.77	-1247.81	3230931.59	1306167.35	40°10'15.136"N	104°40'25.010"W	circle

WELLPATH COMPOSITION Ref Wellbore: REIGLE 18-4 AWB Ref Wellpath: REIGLE 18-4 AWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
16.00	683.00	NaviTrak (Standard)	BHI MWD SURVEYS 12.25 HOLE <157-683>	REIGLE 18-4 AWB
683.00	7575.00	NaviTrak (Standard)	BHI MWD SURVEYS 7.875 HOLE <796-7575>	REIGLE 18-4 AWB
7575.00	7625.00	Blind Drilling (std)	Projection to bit	REIGLE 18-4 AWB



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Field	WELD COUNTY (KERR MCGEE)	Wellbore	REIGLE 18-4 AWB
Facility	SEC.04-T2N-R65W		

## WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
7575.00	0.400	205.700	7351.97	LAST BHI MWD SURVEY
7625.00	0.400	205.700	7401.97	PROJECTION TO BIT