





Actual Wellpath Report

REIGLE 32-4 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#06 REIGLE 32-4 (2299'FNL & 2514'FWL)
Area	COLORADO	Well	REIGLE 32-4
Field	WELD COUNTY (KERR MCGEE)	Wellbore	REIGLE 32-4 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	6/10/2011 at 5:15:45 PM
Convergence at slot	0.54° East	Database/Source file	WA_DENVER/_REIGLE_32-4_AWB.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	-79.78	-1.12	3232187.06	1305259.59	40°10'06.049"N	104°40'08.947"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	4876.00ft
Horizontal Reference Pt	Slot	XTREME 6 (RKB) to Mean Sea Level	4876.00ft
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	266.16°



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WELLPATH DATA (91 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	319.900	0.00	0.00	0.00	0.00	0.00	
16.00	0.000	319.900	16.00	0.00	0.00	0.00	0.00	
157.00	0.500	319.900	157.00	0.36	0.47	-0.40	0.35	
249.00	1.900	282.700	248.98	2.06	1.11	-2.14	1.67	
340.00	3.100	277.700	339.89	5.92	1.77	-6.05	1.34	
431.00	4.600	269.300	430.68	11.98	2.06	-12.14	1.76	
521.00	7.400	261.900	520.18	21.36	1.20	-21.49	3.22	
609.00	9.400	259.100	607.23	34.15	-0.96	-34.16	2.32	
683.00	9.900	260.500	680.19	46.47	-3.15	-46.37	0.75	
797.00	10.400	263.700	792.40	66.51	-5.90	-66.26	0.66	
886.00	11.700	264.400	879.75	83.55	-7.66	-83.23	1.47	
976.00	14.500	264.800	967.40	103.94	-9.57	-103.53	3.11	
1067.00	16.400	269.700	1055.11	128.16	-10.67	-127.73	2.53	
1158.00	18.800	270.000	1141.84	155.61	-10.74	-155.24	2.64	
1246.00	20.400	267.900	1224.74	185.09	-11.30	-184.75	1.99	
1336.00	23.000	269.000	1308.36	218.34	-12.18	-218.01	2.92	
1426.00	24.900	270.700	1390.61	254.79	-12.26	-254.54	2.25	
1515.00	26.800	270.700	1470.70	293.47	-11.78	-293.34	2.13	
1605.00	28.300	270.400	1550.49	334.98	-11.39	-334.96	1.67	
1694.00	29.300	270.400	1628.48	377.73	-11.09	-377.84	1.12	
1785.00	28.600	268.300	1708.11	421.71	-11.58	-421.88	1.36	
1873.00	28.100	265.800	1785.56	463.48	-13.72	-463.60	1.46	
1964.00	26.700	263.300	1866.35	505.33	-17.68	-505.28	1.99	
2054.00	26.600	265.500	1946.79	545.68	-21.62	-545.45	1.10	
2144.00	26.500	265.800	2027.30	585.90	-24.67	-585.56	0.19	
2233.00	26.200	264.800	2107.05	625.40	-27.90	-624.93	0.60	
2324.00	26.200	266.500	2188.71	665.57	-30.95	-664.99	0.82	
2414.00	26.300	263.700	2269.43	705.36	-34.35	-704.64	1.38	
2503.00	27.500	264.800	2348.80	745.60	-38.38	-744.70	1.46	
2593.00	27.600	266.200	2428.59	787.22	-41.64	-786.20	0.73	
2684.00	27.300	264.400	2509.35	829.16	-45.08	-828.00	0.97	
2774.00	27.300	265.500	2589.32	870.43	-48.71	-869.12	0.56	
2865.00	26.900	265.100	2670.33	911.88	-52.11	-910.43	0.48	
2954.00	27.700	265.800	2749.42	952.70	-55.34	-951.13	0.97	
3044.00	29.000	265.800	2828.62	995.43	-58.47	-993.75	1.44	
3133.00	29.900	265.800	2906.12	1039.19	-61.67	-1037.39	1.01	
3221.00	29.200	266.200	2982.68	1082.59	-64.70	-1080.68	0.83	
3309.00	28.400	264.800	3059.79	1124.98	-68.02	-1122.94	1.19	
3400.00	28.200	265.100	3139.91	1168.11	-71.82	-1165.92	0.27	
3489.00	27.500	266.500	3218.61	1209.68	-74.87	-1207.38	1.08	
3577.00	27.900	264.800	3296.52	1250.58	-77.98	-1248.16	1.01	
3667.00	27.400	266.500	3376.24	1292.34	-81.15	-1289.80	1.04	
3755.00	26.900	270.000	3454.55	1332.46	-82.39	-1329.92	1.90	
3846.00	27.000	271.100	3535.67	1373.58	-81.99	-1371.16	0.56	
3936.00	26.500	268.600	3616.04	1413.99	-82.09	-1411.66	1.37	



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Area	COLORADO	Well	REIGLE 32-4
Field	WELD COUNTY (KERR MCGEE)	Wellbore	REIGLE 32-4 AWB
Facility	SEC.04-T2N-R65W		

WELLPATH DATA (91 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
4026.00	27.200	266.900	3696.34	1454.62	-83.69	-1452.28	1.15	
4114.00	27.300	266.500	3774.57	1494.91	-86.01	-1492.50	0.24	
4205.00	25.500	266.200	3856.08	1535.37	-88.58	-1532.88	1.98	
4294.00	27.300	264.800	3935.80	1574.94	-91.70	-1572.33	2.14	
4383.00	28.600	266.200	4014.41	1616.65	-94.97	-1613.91	1.64	
4472.00	30.600	266.200	4091.79	1660.61	-97.88	-1657.77	2.25	
4563.00	30.500	265.100	4170.16	1706.86	-101.39	-1703.89	0.62	
4651.00	28.200	266.500	4246.86	1749.98	-104.56	-1746.90	2.73	
4740.00	28.700	265.100	4325.12	1792.38	-107.67	-1789.18	0.94	
4828.00	28.900	264.800	4402.23	1834.76	-111.41	-1831.41	0.28	
4919.00	28.500	264.800	4482.05	1878.45	-115.37	-1874.93	0.44	
5006.00	29.100	264.000	4558.29	1920.34	-119.46	-1916.64	0.82	
5095.00	28.600	263.700	4636.24	1963.25	-124.06	-1959.34	0.58	
5184.00	27.600	263.000	4714.75	2005.12	-128.91	-2000.98	1.18	
5271.00	27.300	265.500	4791.96	2045.19	-132.93	-2040.87	1.37	
5358.00	26.600	267.200	4869.51	2084.62	-135.45	-2080.22	1.20	
5447.00	26.600	268.300	4949.09	2124.45	-137.01	-2120.04	0.55	
5534.00	26.600	266.500	5026.89	2163.39	-138.78	-2158.95	0.93	
5621.00	27.400	267.200	5104.40	2202.89	-140.95	-2198.38	0.99	
5711.00	24.100	266.200	5185.45	2241.98	-143.18	-2237.41	3.70	
5799.00	21.200	265.100	5266.66	2275.86	-145.73	-2271.20	3.33	
5888.00	20.600	265.100	5349.80	2307.61	-148.44	-2302.83	0.67	
5976.00	19.000	263.700	5432.60	2337.40	-151.33	-2332.50	1.90	
6066.00	16.600	263.300	5518.28	2364.88	-154.44	-2359.83	2.67	
6155.00	13.400	263.300	5604.24	2387.88	-157.13	-2382.71	3.60	
6245.00	11.200	265.800	5692.17	2407.04	-158.98	-2401.78	2.51	
6333.00	9.400	266.200	5778.75	2422.77	-160.09	-2417.48	2.05	
6420.00	7.500	266.500	5864.80	2435.56	-160.90	-2430.24	2.18	
6510.00	5.500	269.300	5954.22	2445.74	-161.32	-2440.41	2.25	
6598.00	4.400	269.700	6041.89	2453.32	-161.38	-2448.01	1.25	
6688.00	3.300	270.000	6131.68	2459.35	-161.40	-2454.05	1.22	
6778.00	2.600	270.000	6221.56	2463.97	-161.40	-2458.68	0.78	
6869.00	1.700	274.900	6312.50	2467.36	-161.29	-2462.09	1.01	
6959.00	1.200	281.300	6402.47	2469.59	-160.99	-2464.34	0.58	
7048.00	0.900	280.600	6491.45	2471.17	-160.68	-2465.95	0.34	
7135.00	0.900	304.100	6578.44	2472.37	-160.17	-2467.18	0.42	
7225.00	0.600	297.800	6668.43	2473.33	-159.55	-2468.19	0.35	
7313.00	0.500	289.700	6756.43	2474.07	-159.21	-2468.95	0.14	
7402.00	0.500	297.400	6845.43	2474.76	-158.90	-2469.66	0.08	
7491.00	0.500	298.900	6934.42	2475.42	-158.53	-2470.35	0.01	
7580.00	0.400	290.100	7023.42	2476.03	-158.24	-2470.98	0.14	
7667.00	0.300	282.000	7110.42	2476.53	-158.09	-2471.49	0.13	
7756.00	0.500	318.500	7199.42	2476.99	-157.75	-2471.97	0.35	
7845.00	0.500	304.800	7288.41	2477.53	-157.23	-2472.55	0.13	
7878.00	0.600	310.100	7321.41	2477.77	-157.04	-2472.80	0.34	LAST BHI MWD SURVEY



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Area	COLORADO	Well	REIGLE 32-4
Field	WELD COUNTY (KERR MCGEE)	Wellbore	REIGLE 32-4 AWB
Facility	SEC.04-T2N-R65W		

WELLPATH DATA (91 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
7928.00	0.600	310.100	7371.41	2478.14	-156.70	-2473.20	0.00	PROJECTION TO BIT

HOLE & CASING SECTIONS Ref Wellbore: REIGLE 32-4 AWB Ref Wellpath: REIGLE 32-4 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	16.00	738.00	722.00	16.00	734.35	0.00	0.00	-4.60	-55.82
8.625in Casing Surface	16.00	730.00	714.00	16.00	726.47	0.00	0.00	-4.40	-54.43
7.875in Open Hole	730.00	7928.00	7198.00	726.47	7371.41	-4.40	-54.43	-156.70	-2473.20

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
REIGLE 32-4 BHL ON PLAT (2465'FNL & 49'FWL, REV-1)		6000.00	-165.27	-2464.98	3229723.85	1305071.24	40°10'04.415"N	104°40'40.699"W	point
REIGLE 32-4 GEO TARGET 50' RADIUS (2465'FNL & 50'FWL, REV-2)		6000.00	-165.27	-2463.98	3229724.85	1305071.25	40°10'04.415"N	104°40'40.686"W	circle
REIGLE 32-4 HARDLINE 50'W OF GEO TARGET		6000.00	-165.27	-2513.98	3229674.85	1305070.78	40°10'04.415"N	104°40'41.330"W	point

WELLPATH COMPOSITION Ref Wellbore: REIGLE 32-4 AWB Ref Wellpath: REIGLE 32-4 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
16.00	683.00	NaviTrak (Standard)	BHI NAVITRAK 12.25 HOLE <157-683>	REIGLE 32-4 AWB
683.00	7878.00	NaviTrak (Standard)	BHI NAVITRAK 7.875 HOLE <797-7878>	REIGLE 32-4 AWB
7878.00	7928.00	Blind Drilling (std)	Projection to bit	REIGLE 32-4 AWB



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Field	WELD COUNTY (KERR MCGEE)	Wellbore	REIGLE 32-4 AWB
Facility	SEC.04-T2N-R65W		

WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
7878.00	0.600	310.100	7321.41	LAST BHI MWD SURVEY
7928.00	0.600	310.100	7371.41	PROJECTION TO BIT