

ANADARKO E&P COMPANY LP

Location: COLORADO Slot: SLOT#03 COLFER 13N-34HZ (480'FNL & 556'FWL, SEC.34)
Field: WELD COUNTY (KERR MCGEE) Well: COLFER 13N-34HZ
Facility: SEC.34-T2N-R65W Wellbore: COLFER 13N-34HZ PWB

Plot reference wellpath is COLFER 13N-34HZ (REV-C.0) PWB

True vertical depths are referenced to ENSIGN 145 (RKB)

Grid System: NAD83 / Lambert Colorado SP, Northern Zone (501), US feet

Measured depths are referenced to ENSIGN 145 (RKB)

North Reference: True north

ENSGN 145 (RKB) to Mean Sea Level: 4955 feet

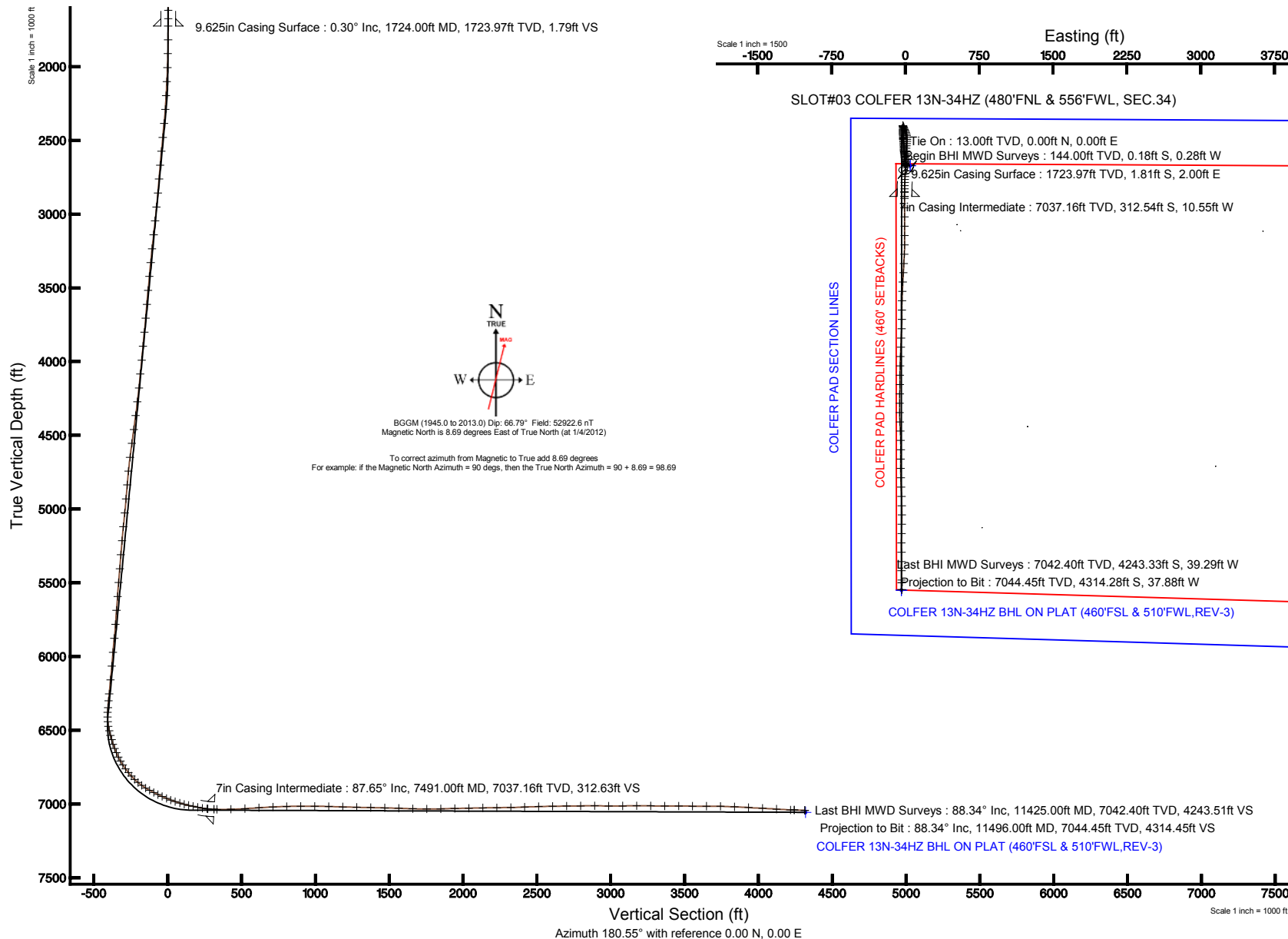
Scale: True distance

Mean Sea Level to Mud line (At Slot: SLOT#03 COLFER 13N-34HZ (480'FNL & 556'FWL, SEC.34)): 0 feet

Depths are in feet

Coordinates are in feet referenced to Slot

Created by: wilajet02 on 1/27/2012





Actual Wellpath Report

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANADARKO E&P COMPANY LP	Slot	SLOT#03 COLFER 13N-34HZ (480'FNL & 556'FWL, SEC.34)
Area	COLORADO	Well	COLFER 13N-34HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	COLFER 13N-34HZ AWB
Facility	SEC.34-T2N-R65W		

REPORT SETUP INFORMATION

Projection System	NAD83 / Lambert Colorado SP, Northern Zone (501), US feet	Software System	WellArchitect@ 3.0.2
North Reference	True	User	Wilsjef02
Scale	0.99996	Report Generated	1/27/2012 at 12:14:01 PM
Convergence at slot	0.54° East	Database/Source file	WA_ANADARKO/COLFER_13N-34HZ_AWB.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	0.10	-48.10	3235741.73	1280757.79	40°06'03.589"N	104°39'26.158"W
Facility Reference Pt			3235789.83	1280758.14	40°06'03.588"N	104°39'25.539"W
Field Reference Pt			3197771.84	1268891.29	40°04'09.600"N	104°47'36.000"W

WELLPATH DATUM

Calculation method	Minimum curvature	ENSIGN 145 (RKB) to Facility Vertical Datum	4955.00ft
Horizontal Reference Pt	Slot	ENSIGN 145 (RKB) to Mean Sea Level	4955.00ft
Vertical Reference Pt	ENSIGN 145 (RKB)	ENSIGN 145 (RKB) to Mud Line at Slot (SLOT#03 COLFER 13N-34HZ (480'FNL & 556'FWL, SEC.34))	4955.00ft
MD Reference Pt	ENSIGN 145 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	180.55°



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Operator	ANADARKO E&P COMPANY LP	Slot	SLOT#03 COLFER 13N-34HZ (480'FNL & 556'FWL, SEC.34)
Area	COLORADO	Well	COLFER 13N-34HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	COLFER 13N-34HZ AWB
Facility	SEC.34-T2N-R65W		

WELLPATH DATA (150 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
0.00†	0.000	236.250	0.00	0.00	0.00	0.00	40°06'03.589"N	104°39'26.158"W	0.00	
13.00	0.000	236.250	13.00	0.00	0.00	0.00	40°06'03.589"N	104°39'26.158"W	0.00	Tie On
144.00	0.290	236.250	144.00	0.19	-0.18	-0.28	40°06'03.587"N	104°39'26.162"W	0.22	Begin BHI MWD Surveys
237.00	0.140	359.730	237.00	0.21	-0.20	-0.47	40°06'03.587"N	104°39'26.164"W	0.41	
329.00	0.290	349.430	329.00	-0.14	0.14	-0.52	40°06'03.590"N	104°39'26.165"W	0.17	
421.00	0.040	315.460	421.00	-0.39	0.39	-0.58	40°06'03.593"N	104°39'26.165"W	0.28	
513.00	0.370	147.390	513.00	-0.16	0.16	-0.44	40°06'03.591"N	104°39'26.164"W	0.44	
605.00	0.510	151.300	604.99	0.45	-0.44	-0.09	40°06'03.585"N	104°39'26.159"W	0.16	
697.00	0.390	126.830	696.99	0.99	-0.99	0.36	40°06'03.579"N	104°39'26.153"W	0.24	
789.00	0.360	130.050	788.99	1.36	-1.37	0.83	40°06'03.576"N	104°39'26.147"W	0.04	
881.00	0.460	121.990	880.99	1.73	-1.75	1.37	40°06'03.572"N	104°39'26.140"W	0.13	
973.00	0.830	104.400	972.98	2.09	-2.11	2.33	40°06'03.568"N	104°39'26.128"W	0.45	
1065.00	0.680	107.460	1064.97	2.40	-2.44	3.49	40°06'03.565"N	104°39'26.113"W	0.17	
1157.00	0.140	66.770	1156.97	2.52	-2.56	4.12	40°06'03.564"N	104°39'26.105"W	0.63	
1249.00	0.370	305.480	1248.97	2.30	-2.34	3.98	40°06'03.566"N	104°39'26.107"W	0.50	
1341.00	0.240	252.280	1340.97	2.19	-2.23	3.55	40°06'03.567"N	104°39'26.112"W	0.32	
1433.00	0.310	273.560	1432.97	2.24	-2.27	3.12	40°06'03.567"N	104°39'26.118"W	0.13	
1525.00	0.190	296.380	1524.97	2.16	-2.19	2.74	40°06'03.567"N	104°39'26.123"W	0.17	
1617.00	0.280	303.580	1616.97	1.97	-1.99	2.41	40°06'03.569"N	104°39'26.127"W	0.10	
1673.00	0.200	282.900	1672.97	1.88	-1.90	2.20	40°06'03.570"N	104°39'26.130"W	0.21	
1816.00	0.500	309.560	1815.96	1.43	-1.44	1.48	40°06'03.575"N	104°39'26.139"W	0.23	
1911.00	1.790	356.920	1910.94	-0.31	0.30	1.08	40°06'03.592"N	104°39'26.144"W	1.58	
2006.00	1.750	353.310	2005.90	-3.23	3.22	0.83	40°06'03.621"N	104°39'26.147"W	0.12	
2101.00	2.990	351.420	2100.82	-7.12	7.11	0.29	40°06'03.659"N	104°39'26.154"W	1.31	
2196.00	2.880	349.990	2195.69	-11.91	11.91	-0.49	40°06'03.707"N	104°39'26.164"W	0.14	
2290.00	4.410	0.150	2289.50	-17.85	17.85	-0.89	40°06'03.765"N	104°39'26.170"W	1.76	
2385.00	5.600	358.470	2384.13	-26.13	26.14	-1.01	40°06'03.847"N	104°39'26.171"W	1.26	
2480.00	5.080	358.760	2478.72	-34.97	34.98	-1.22	40°06'03.935"N	104°39'26.174"W	0.55	
2575.00	5.400	351.470	2573.33	-43.58	43.61	-1.98	40°06'04.020"N	104°39'26.183"W	0.78	
2670.00	5.040	354.050	2667.93	-52.14	52.18	-3.07	40°06'04.105"N	104°39'26.198"W	0.45	
2764.00	4.430	349.960	2761.61	-59.82	59.86	-4.13	40°06'04.181"N	104°39'26.211"W	0.74	
2859.00	5.560	353.340	2856.25	-67.99	68.04	-5.31	40°06'04.261"N	104°39'26.226"W	1.23	
2954.00	5.620	352.520	2950.80	-77.16	77.23	-6.45	40°06'04.352"N	104°39'26.241"W	0.11	
3049.00	6.110	351.260	3045.30	-86.76	86.83	-7.82	40°06'04.447"N	104°39'26.259"W	0.53	
3144.00	6.160	350.420	3139.76	-96.76	96.86	-9.44	40°06'04.546"N	104°39'26.279"W	0.11	
3239.00	6.190	350.100	3234.20	-106.82	106.93	-11.17	40°06'04.646"N	104°39'26.302"W	0.05	
3334.00	5.630	354.600	3328.70	-116.49	116.61	-12.48	40°06'04.741"N	104°39'26.319"W	0.76	
3428.00	5.390	354.730	3422.27	-125.47	125.60	-13.32	40°06'04.830"N	104°39'26.329"W	0.26	
3523.00	5.130	355.040	3516.87	-134.13	134.28	-14.10	40°06'04.916"N	104°39'26.339"W	0.28	
3618.00	5.220	354.540	3611.48	-142.66	142.81	-14.88	40°06'05.000"N	104°39'26.349"W	0.11	
3713.00	4.860	356.670	3706.11	-150.97	151.13	-15.52	40°06'05.082"N	104°39'26.358"W	0.43	
3808.00	5.350	355.460	3800.73	-159.40	159.56	-16.11	40°06'05.166"N	104°39'26.365"W	0.53	
3903.00	5.740	355.080	3895.29	-168.54	168.71	-16.87	40°06'05.256"N	104°39'26.375"W	0.41	
3998.00	5.520	358.230	3989.83	-177.83	178.01	-17.42	40°06'05.348"N	104°39'26.382"W	0.40	
4093.00	5.350	1.240	4084.40	-186.83	187.00	-17.46	40°06'05.437"N	104°39'26.383"W	0.35	
4188.00	5.970	359.580	4178.94	-196.20	196.37	-17.40	40°06'05.530"N	104°39'26.382"W	0.67	
4283.00	7.020	357.090	4273.33	-206.93	207.11	-17.73	40°06'05.636"N	104°39'26.386"W	1.14	
4377.00	7.270	356.910	4366.60	-218.60	218.79	-18.34	40°06'05.751"N	104°39'26.394"W	0.27	
4472.00	7.760	356.160	4460.78	-231.00	231.19	-19.10	40°06'05.874"N	104°39'26.404"W	0.53	
4567.00	7.910	353.670	4554.90	-243.88	244.08	-20.25	40°06'06.001"N	104°39'26.419"W	0.39	
4662.00	7.270	351.990	4649.06	-256.31	256.53	-21.81	40°06'06.124"N	104°39'26.439"W	0.71	
4757.00	5.930	355.360	4743.43	-267.15	267.38	-23.04	40°06'06.231"N	104°39'26.455"W	1.47	
4851.00	4.830	357.000	4837.02	-275.93	276.17	-23.64	40°06'06.318"N	104°39'26.462"W	1.18	
4946.00	4.700	1.280	4931.69	-283.82	284.05	-23.76	40°06'06.396"N	104°39'26.464"W	0.40	
5041.00	5.670	0.640	5026.30	-292.40	292.64	-23.62	40°06'06.481"N	104°39'26.462"W	1.02	
5136.00	5.950	357.670	5120.81	-302.01	302.25	-23.77	40°06'06.576"N	104°39'26.464"W	0.43	
5231.00	4.700	352.120	5215.40	-310.78	311.03	-24.51	40°06'06.663"N	104°39'26.473"W	1.42	
5326.00	4.520	350.780	5310.09	-318.32	318.58	-25.64	40°06'06.737"N	104°39'26.488"W	0.22	
5421.00	4.760	353.400	5404.78	-325.92	326.19	-26.69	40°06'06.812"N	104°39'26.501"W	0.34	
5516.00	4.610	357.800	5499.46	-333.64	333.92	-27.29	40°06'06.889"N	104°39'26.509"W	0.41	



Actual Wellpath Report

COLFER 13N-34HZ AWP

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Operator	ANADARKO E&P COMPANY LP	Slot	SLOT#03 COLFER 13N-34HZ (480'FNL & 556'FWL, SEC.34)
Area	COLORADO	Well	COLFER 13N-34HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	COLFER 13N-34HZ AWB
Facility	SEC.34-T2N-R65W		

WELLPATH DATA (150 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
5611.00	4.390	2.300	5594.17	-341.09	341.37	-27.29	40°06'06.962"N	104°39'26.509"W	0.44	
5705.00	3.980	3.610	5687.92	-347.94	348.22	-26.94	40°06'07.030"N	104°39'26.505"W	0.45	
5800.00	4.430	3.730	5782.66	-354.90	355.17	-26.50	40°06'07.099"N	104°39'26.499"W	0.47	
5895.00	5.400	2.050	5877.31	-363.03	363.30	-26.10	40°06'07.179"N	104°39'26.494"W	1.03	
5990.00	4.970	5.260	5971.93	-371.60	371.86	-25.56	40°06'07.264"N	104°39'26.487"W	0.55	
6085.00	5.250	2.030	6066.55	-380.05	380.30	-25.03	40°06'07.347"N	104°39'26.480"W	0.42	
6179.00	5.460	356.080	6160.14	-388.80	389.06	-25.18	40°06'07.434"N	104°39'26.482"W	0.63	
6274.00	5.470	350.450	6254.71	-397.77	398.04	-26.24	40°06'07.522"N	104°39'26.496"W	0.56	
6321.00	5.080	349.170	6301.51	-402.01	402.29	-27.01	40°06'07.564"N	104°39'26.506"W	0.87	
6368.00	4.820	356.310	6348.33	-406.02	406.30	-27.52	40°06'07.604"N	104°39'26.512"W	1.42	
6400.00	3.340	14.480	6380.25	-408.27	408.55	-27.38	40°06'07.626"N	104°39'26.510"W	6.09	
6431.00	1.870	122.790	6411.23	-408.88	409.15	-26.73	40°06'07.632"N	104°39'26.502"W	13.90	
6463.00	5.620	158.930	6443.16	-407.14	407.40	-25.72	40°06'07.615"N	104°39'26.489"W	13.30	
6494.00	9.870	156.770	6473.87	-403.30	403.54	-24.13	40°06'07.577"N	104°39'26.469"W	13.74	
6526.00	13.850	154.850	6505.18	-397.33	397.55	-21.42	40°06'07.518"N	104°39'26.434"W	12.50	
6558.00	17.330	154.400	6536.00	-389.60	389.79	-17.73	40°06'07.441"N	104°39'26.386"W	10.88	
6589.00	18.610	153.980	6565.49	-381.03	381.18	-13.56	40°06'07.356"N	104°39'26.333"W	4.15	
6621.00	19.350	156.080	6595.75	-371.64	371.74	-9.18	40°06'07.263"N	104°39'26.276"W	3.15	
6653.00	22.930	157.610	6625.59	-361.07	361.13	-4.65	40°06'07.158"N	104°39'26.218"W	11.32	
6684.00	25.920	158.000	6653.81	-349.25	349.26	0.19	40°06'07.040"N	104°39'26.156"W	9.66	
6716.00	27.380	160.330	6682.41	-335.88	335.85	5.29	40°06'06.908"N	104°39'26.090"W	5.61	
6748.00	30.260	165.480	6710.45	-321.19	321.11	9.79	40°06'06.762"N	104°39'26.032"W	11.88	
6779.00	33.500	171.170	6736.78	-305.19	305.08	13.06	40°06'06.604"N	104°39'25.990"W	14.25	
6811.00	35.760	175.540	6763.11	-287.16	287.03	15.14	40°06'06.425"N	104°39'25.963"W	10.49	
6843.00	38.890	181.650	6788.56	-267.79	267.66	15.58	40°06'06.234"N	104°39'25.957"W	15.15	
6874.00	42.410	185.970	6812.08	-247.65	247.52	14.21	40°06'06.035"N	104°39'25.975"W	14.53	
6906.00	45.760	185.730	6835.07	-225.48	225.38	11.95	40°06'05.816"N	104°39'26.004"W	10.48	
6937.00	50.290	183.830	6855.79	-202.50	202.42	10.04	40°06'05.589"N	104°39'26.029"W	15.31	
6969.00	54.740	182.170	6875.26	-177.14	177.07	8.72	40°06'05.339"N	104°39'26.046"W	14.50	
7001.00	57.790	182.190	6893.03	-150.54	150.48	7.71	40°06'05.076"N	104°39'26.059"W	9.53	
7032.00	62.080	181.130	6908.56	-123.73	123.67	6.94	40°06'04.811"N	104°39'26.069"W	14.15	
7064.00	63.070	180.590	6923.30	-95.32	95.27	6.51	40°06'04.530"N	104°39'26.074"W	3.44	
7096.00	64.470	181.940	6937.44	-66.62	66.57	5.88	40°06'04.247"N	104°39'26.082"W	5.78	
7127.00	66.120	184.840	6950.40	-38.50	38.46	4.21	40°06'03.969"N	104°39'26.104"W	10.03	
7159.00	66.870	184.180	6963.16	-9.23	9.21	1.90	40°06'03.680"N	104°39'26.134"W	3.01	
7190.00	69.200	183.850	6974.76	19.47	-19.47	-0.11	40°06'03.397"N	104°39'26.159"W	7.58	
7222.00	71.730	183.300	6985.46	49.58	-49.57	-1.99	40°06'03.099"N	104°39'26.184"W	8.07	
7254.00	73.540	183.230	6995.01	80.09	-80.06	-3.73	40°06'02.798"N	104°39'26.206"W	5.66	
7285.00	74.930	182.190	7003.43	109.90	-109.86	-5.14	40°06'02.503"N	104°39'26.224"W	5.53	
7317.00	77.400	182.620	7011.08	140.95	-140.90	-6.44	40°06'02.197"N	104°39'26.241"W	7.83	
7348.00	78.290	182.350	7017.61	171.24	-171.17	-7.76	40°06'01.897"N	104°39'26.258"W	2.99	
7380.00	78.310	181.640	7024.10	202.56	-202.49	-8.85	40°06'01.588"N	104°39'26.272"W	2.17	
7412.00	80.440	181.300	7030.00	234.01	-233.93	-9.66	40°06'01.277"N	104°39'26.282"W	6.74	
7443.00	84.610	180.780	7034.03	264.74	-264.65	-10.21	40°06'00.974"N	104°39'26.289"W	13.55	
7449.00	85.240	180.780	7034.56	270.71	-270.63	-10.29	40°06'00.915"N	104°39'26.290"W	10.50	
7491.00†	87.651	179.932	7037.16	312.63	-312.54	-10.55	40°06'00.500"N	104°39'26.294"W	6.08	7" Casing Point
7511.00	88.800	179.530	7037.78	332.62	-332.53	-10.46	40°06'00.303"N	104°39'26.293"W	6.08	
7605.00	91.850	180.140	7037.25	426.60	-426.52	-10.19	40°05'59.374"N	104°39'26.289"W	3.31	
7700.00	93.420	179.600	7032.88	521.49	-521.42	-9.97	40°05'58.436"N	104°39'26.286"W	1.75	
7795.00	93.610	180.310	7027.06	616.30	-616.24	-9.90	40°05'57.499"N	104°39'26.285"W	0.77	
7890.00	93.020	179.330	7021.57	711.14	-711.08	-9.60	40°05'56.562"N	104°39'26.282"W	1.20	
7984.00	91.140	180.400	7018.15	805.06	-805.01	-9.38	40°05'55.634"N	104°39'26.279"W	2.30	
8079.00	90.030	182.810	7017.18	900.03	-899.96	-12.04	40°05'54.695"N	104°39'26.313"W	2.79	
8174.00	90.090	183.190	7017.08	994.94	-994.83	-17.01	40°05'53.758"N	104°39'26.377"W	0.40	
8269.00	88.310	183.470	7018.41	1089.82	-1089.65	-22.53	40°05'52.821"N	104°39'26.448"W	1.90	
8364.00	88.490	182.970	7021.06	1184.68	-1184.47	-27.87	40°05'51.884"N	104°39'26.517"W	0.56	
8459.00	88.460	182.300	7023.59	1279.58	-1279.33	-32.23	40°05'50.946"N	104°39'26.573"W	0.71	
8554.00	88.740	181.280	7025.91	1374.53	-1374.26	-35.20	40°05'50.008"N	104°39'26.611"W	1.11	
8648.00	88.910	179.810	7027.84	1468.51	-1468.23	-36.09	40°05'49.080"N	104°39'26.622"W	1.57	
8743.00	87.840	180.990	7030.53	1563.46	-1563.19	-36.75	40°05'48.141"N	104°39'26.631"W	1.68	



Actual Wellpath Report

COLFER 13N-34HZ AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANADARKO E&P COMPANY LP	Slot	SLOT#03 COLFER 13N-34HZ (480'FNL & 556'FWL, SEC.34)
Area	COLORADO	Well	COLFER 13N-34HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	COLFER 13N-34HZ AWB
Facility	SEC.34-T2N-R65W		

WELLPATH DATA (150 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
8838.00	88.220	182.300	7033.80	1658.39	-1658.09	-39.48	40°05'47.204"N	104°39'26.666"W	1.44	
8933.00	89.570	182.360	7035.63	1753.32	-1752.99	-43.34	40°05'46.266"N	104°39'26.716"W	1.42	
9028.00	91.790	182.640	7034.50	1848.25	-1847.89	-47.48	40°05'45.328"N	104°39'26.769"W	2.36	
9123.00	91.350	182.070	7031.90	1943.17	-1942.77	-51.39	40°05'44.390"N	104°39'26.819"W	0.76	
9218.00	91.200	181.500	7029.79	2038.12	-2037.70	-54.34	40°05'43.452"N	104°39'26.857"W	0.62	
9313.00	91.140	180.980	7027.85	2133.10	-2132.66	-56.40	40°05'42.514"N	104°39'26.884"W	0.55	
9408.00	90.620	180.330	7026.39	2228.09	-2227.64	-57.49	40°05'41.575"N	104°39'26.898"W	0.88	
9503.00	90.920	180.520	7025.11	2323.08	-2322.63	-58.19	40°05'40.636"N	104°39'26.907"W	0.37	
9597.00	92.340	180.660	7022.44	2417.04	-2416.58	-59.16	40°05'39.708"N	104°39'26.919"W	1.52	
9692.00	91.820	179.480	7018.99	2511.97	-2511.52	-59.27	40°05'38.770"N	104°39'26.921"W	1.36	
9787.00	90.860	178.110	7016.77	2606.89	-2606.47	-57.28	40°05'37.831"N	104°39'26.895"W	1.76	
9882.00	90.460	176.310	7015.67	2701.72	-2701.34	-52.65	40°05'36.894"N	104°39'26.835"W	1.94	
9977.00	90.950	178.800	7014.51	2796.58	-2796.24	-48.60	40°05'35.956"N	104°39'26.783"W	2.67	
10072.00	89.570	180.550	7014.07	2891.56	-2891.23	-48.06	40°05'35.017"N	104°39'26.776"W	2.35	
10166.00	89.690	179.900	7014.68	2985.56	-2985.23	-48.43	40°05'34.088"N	104°39'26.781"W	0.70	
10261.00	90.430	180.070	7014.58	3080.55	-3080.23	-48.41	40°05'33.150"N	104°39'26.781"W	0.80	
10356.00	90.370	178.860	7013.92	3175.53	-3175.22	-47.52	40°05'32.211"N	104°39'26.769"W	1.28	
10451.00	89.140	176.700	7014.32	3270.41	-3270.14	-43.84	40°05'31.273"N	104°39'26.722"W	2.62	
10546.00	90.060	178.890	7014.99	3365.29	-3365.06	-40.19	40°05'30.335"N	104°39'26.675"W	2.50	
10641.00	89.510	178.690	7015.34	3460.25	-3460.04	-38.18	40°05'29.396"N	104°39'26.649"W	0.62	
10735.00	89.570	180.350	7016.10	3554.23	-3554.03	-37.39	40°05'28.468"N	104°39'26.639"W	1.77	
10830.00	90.340	180.460	7016.17	3649.23	-3649.03	-38.06	40°05'27.529"N	104°39'26.648"W	0.82	
10925.00	88.250	181.310	7017.34	3744.21	-3744.00	-39.53	40°05'26.590"N	104°39'26.667"W	2.37	
11020.00	87.560	180.230	7020.82	3839.14	-3838.93	-40.81	40°05'25.652"N	104°39'26.683"W	1.35	
11115.00	86.670	179.100	7025.60	3934.01	-3933.80	-40.25	40°05'24.715"N	104°39'26.676"W	1.51	
11210.00	87.230	180.760	7030.65	4028.87	-4028.67	-40.14	40°05'23.777"N	104°39'26.674"W	1.84	
11304.00	85.960	179.530	7036.24	4122.69	-4122.50	-40.37	40°05'22.850"N	104°39'26.677"W	1.88	
11399.00	87.690	179.590	7041.50	4217.53	-4217.34	-39.65	40°05'21.913"N	104°39'26.668"W	1.82	
11425.00	88.340	178.860	7042.40	4243.51	-4243.33	-39.29	40°05'21.656"N	104°39'26.664"W	3.76	Last BHI MWD Surveys
11496.00	88.340	178.860	7044.45	4314.45	-4314.28	-37.88	40°05'20.955"N	104°39'26.645"W	0.00	Projection to Bit

HOLE & CASING SECTIONS - Ref Wellbore: COLFER 13N-34HZ AWB Ref Wellpath: COLFER 13N-34HZ 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]
13.5in Open Hole	13.00	1724.00	1711.00	13.00	1723.97	0.00	0.00	-1.81	2.00
9.625in Casing Surface	13.00	1724.00	1711.00	13.00	1723.97	0.00	0.00	-1.81	2.00
8.75in Open Hole	1724.00	7505.00	5781.00	1723.97	7037.64	-1.81	2.00	-326.54	-10.50
7in Casing Intermediate	13.00	7491.00	7478.00	13.00	7037.16	0.00	0.00	-312.54	-10.55
6.125in Open Hole	7491.00	13.00	-7478.00	7037.16	13.00	-312.54	-10.55	0.00	0.00



Actual Wellpath Report

COLFER 13N-34HZ AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANADARKO E&P COMPANY LP	Slot	SLOT#03 COLFER 13N-34HZ (480'FNL & 556'FWL, SEC.34)
Area	COLORADO	Well	COLFER 13N-34HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	COLFER 13N-34HZ AWB
Facility	SEC.34-T2N-R65W		

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
COLFER PAD SECTION LINES		-3.00	0.00	48.18	3235789.91	1280758.25	40°06'03.589"N	104°39'25.538"W	polygon
COLFER 13N-34HZ BHL ON PLAT (460'FSL & 510'FWL,REV-1)		7025.00	-4319.40	-41.11	3235741.67	1276438.37	40°05'20.904"N	104°39'26.687"W	point
COLFER PAD HARDLINES (460' SETBACKS)		7025.00	0.00	48.18	3235789.91	1280758.25	40°06'03.589"N	104°39'25.538"W	polygon
COLFER 13N-34HZ BHL ON PLAT (460'FSL & 510'FWL,REV-2)		7043.00	-4319.40	-41.11	3235741.67	1276438.37	40°05'20.904"N	104°39'26.687"W	point
COLFER 13N-34HZ BHL ON PLAT (460'FSL & 510'FWL,REV-3)		7058.00	-4319.40	-41.11	3235741.67	1276438.37	40°05'20.904"N	104°39'26.687"W	point

WELLPATH COMPOSITION - Ref Wellbore: COLFER 13N-34HZ AWB Ref Wellpath: COLFER 13N-34HZ AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
13.00	1673.00	NaviTrak (Standard)	BHI MWD SURVEYS 13 1/2 HOLE<144-1673>	COLFER 13N-34HZ AWB
1673.00	7449.00	NaviTrak (Standard)	BHI MWD SURVEYS 8 3/4" HOLE<1816-7449>	COLFER 13N-34HZ AWB
7449.00	11425.00	NaviTrak (Standard)	BHI MWD SURVEYS 6 1/8 HOLE<7511-11425>	COLFER 13N-34HZ AWB
11425.00	11496.00	Blind Drilling (std)	Projection to bit	COLFER 13N-34HZ AWB



Actual Wellpath Report

COLFER 13N-34HZ AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANADARKO E&P COMPANY LP	Slot	SLOT#03 COLFER 13N-34HZ (480'FNL & 556'FWL, SEC.34)
Area	COLORADO	Well	COLFER 13N-34HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	COLFER 13N-34HZ AWB
Facility	SEC.34-T2N-R65W		

WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
13.00	0.000	236.250	13.00	Tie On
144.00	0.290	236.250	144.00	Begin BHI MWD Surveys
7491.00	87.651	179.932	7037.16	7" Casing Point
11425.00	88.340	178.860	7042.40	Last BHI MWD Surveys
11496.00	88.340	178.860	7044.45	Projection to Bit