



Actual Wellpath Report

FAIRVIEW 6 AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	EXTRACTION OIL & GAS	Slot	SLOT#06 FAIRVIEW 6 (1855'FSL & 390'FWL, SEC.05)
Area	COLORADO	Well	FAIRVIEW 6
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	FAIRVIEW 6 AWB
Facility	SEC.05-T02N-R68W		

REPORT SETUP INFORMATION

Projection System	NAD83 / Lambert Colorado SP, Northern Zone (501), US feet	Software System	WellArchitect® 5.0
North Reference	True	User	Ingmjmr
Scale	0.999958	Report Generated	2/23/2016 at 8:26:12 AM
Convergence at slot	0.31° East	Database/Source file	WA_DEN_Denver_Defn/FAIRVIEW_6_AWP.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	2.53	-139.74	3129907.52	1303571.04	40°09'56.747"N	105°02'06.601"W
Facility Reference Pt			3130047.27	1303569.24	40°09'56.722"N	105°02'04.801"W
Field Reference Pt			3185481.27	1419166.81	40°28'55.560"N	104°49'59.556"W

WELLPATH DATUM

Calculation method	Minimum curvature	SAVANNA 802 (20'KB) (RKB) to Facility Vertical Datum	4965.00ft
Horizontal Reference Pt	Slot	SAVANNA 802 (20'KB) (RKB) to Mean Sea Level	4965.00ft
Vertical Reference Pt	SAVANNA 802 (20'KB) (RKB)	SAVANNA 802 (20'KB) (RKB) to Mud Line at Slot (SLOT#06 FAIRVIEW 6 (1855'FSL & 390'FWL, SEC.05))	4965.00ft
MD Reference Pt	SAVANNA 802 (20'KB) (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	97.45°



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WELLPATH DATA (145 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	35.620	0.00	0.00	0.00	0.00	0.00	
20.00	0.000	35.620	20.00	0.00	0.00	0.00	0.00	
293.00	0.130	35.620	293.00	0.15	0.25	0.18	0.05	FIRST BHI MWD SURVEY
657.00	0.900	7.270	656.98	0.33	3.42	0.78	0.22	
1024.00	1.300	348.850	1023.92	-1.00	10.37	0.34	0.14	
1485.00	0.370	244.480	1484.88	-3.92	14.86	-2.01	0.31	LAST BHI MWD SURVEY
1614.00	1.020	273.130	1613.87	-5.42	14.74	-3.53	0.56	BAKER HANDS DRILLED USING 3RD PARTY MWD-FIRST SURVEY
1708.00	1.680	279.920	1707.84	-7.63	15.02	-5.73	0.72	
1803.00	3.090	243.430	1802.76	-11.14	14.12	-9.39	2.11	
1898.00	3.800	229.460	1897.59	-15.37	10.93	-14.07	1.15	
1993.00	4.990	210.340	1992.31	-19.08	5.31	-18.55	1.97	
2088.00	7.820	205.050	2086.71	-22.65	-4.11	-23.38	3.04	
2182.00	8.710	196.150	2179.74	-25.66	-16.74	-28.06	1.66	
2275.00	9.990	201.920	2271.50	-28.74	-30.99	-33.03	1.70	
2370.00	12.420	203.730	2364.68	-33.66	-47.99	-40.22	2.58	
2465.00	12.810	208.220	2457.39	-40.26	-66.62	-49.31	1.11	
2559.00	15.110	207.560	2548.61	-48.17	-86.67	-59.91	2.45	
2654.00	17.590	211.920	2639.77	-58.38	-109.83	-73.23	2.91	
2749.00	17.100	213.420	2730.45	-70.44	-133.67	-88.52	0.70	
2844.00	18.910	219.460	2820.80	-84.72	-157.22	-105.99	2.73	
2938.00	18.120	214.830	2909.94	-99.52	-180.98	-124.03	1.77	
3033.00	18.210	212.540	3000.20	-112.61	-205.62	-140.45	0.76	
3128.00	18.780	210.420	3090.30	-124.88	-231.32	-156.17	0.93	
3223.00	18.780	209.540	3180.24	-136.60	-257.81	-171.46	0.30	
3318.00	20.810	204.520	3269.63	-147.31	-286.48	-186.00	2.79	
3413.00	19.800	203.550	3358.72	-156.72	-316.58	-199.43	1.12	
3508.00	20.680	204.430	3447.86	-166.09	-346.60	-212.80	0.98	
3603.00	22.180	205.620	3536.29	-176.58	-378.05	-227.49	1.64	
3698.00	20.680	203.330	3624.72	-186.76	-409.62	-241.89	1.81	
3792.00	17.720	203.020	3713.48	-195.15	-438.03	-254.06	3.15	
3887.00	16.310	214.130	3804.34	-205.02	-462.39	-267.20	3.72	
3982.00	17.720	214.430	3895.18	-217.57	-485.36	-282.86	1.49	
4077.00	20.110	211.260	3985.05	-230.73	-511.25	-299.52	2.74	
4170.00	20.990	207.650	4072.13	-242.94	-539.67	-315.54	1.66	
4265.00	22.010	207.740	4160.52	-254.99	-570.50	-331.73	1.07	
4360.00	16.480	208.440	4250.18	-266.00	-598.12	-346.44	5.83	
4454.00	18.290	210.250	4339.88	-276.49	-622.59	-360.22	2.01	
4549.00	19.000	212.850	4429.90	-288.90	-648.46	-376.12	1.15	
4643.00	21.390	212.540	4518.11	-302.74	-675.77	-393.64	2.55	
4738.00	21.920	207.650	4606.41	-316.21	-706.09	-411.19	1.98	
4833.00	16.480	208.130	4696.10	-327.10	-733.70	-425.78	5.73	
4928.00	16.000	205.140	4787.31	-335.84	-757.43	-437.70	1.01	
5023.00	10.520	209.850	4879.74	-343.13	-776.82	-447.59	5.87	
5117.00	13.390	218.140	4971.70	-351.96	-792.83	-458.58	3.55	
5211.00	8.620	220.740	5063.94	-361.39	-806.74	-469.91	5.10	



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Operator	EXTRACTION OIL & GAS	Slot	SLOT#06 FAIRVIEW 6 (1855'FSL & 390'FWL, SEC.05)
Area	COLORADO	Well	FAIRVIEW 6
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	FAIRVIEW 6 AWB
Facility	SEC.05-T02N-R68W		

WELLPATH DATA (145 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
5306.00	8.710	218.750	5157.86	-369.04	-817.74	-479.06	0.33	
5401.00	9.280	203.330	5251.71	-374.87	-830.39	-486.59	2.60	
5496.00	5.480	220.340	5345.91	-379.43	-840.88	-492.57	4.57	
5591.00	4.110	251.450	5440.59	-384.96	-845.42	-498.73	3.04	
5686.00	1.680	352.060	5535.50	-388.39	-845.13	-502.15	4.97	
5781.00	3.490	339.940	5630.40	-390.09	-841.03	-503.34	1.98	
5876.00	1.410	345.760	5725.31	-391.86	-837.18	-504.62	2.20	
5971.00	1.900	123.440	5820.29	-390.88	-836.92	-503.59	3.25	
6066.00	1.680	354.260	5915.27	-389.78	-836.40	-502.42	3.41	
6161.00	1.280	197.650	6010.26	-390.28	-836.02	-502.88	3.05	
6255.00	2.610	311.030	6104.23	-392.25	-835.62	-504.81	3.54	
6351.00	0.220	143.530	6200.20	-393.95	-834.33	-506.35	2.94	
6445.00	3.800	153.620	6294.12	-392.09	-837.27	-504.86	3.81	
6540.00	0.490	329.760	6389.06	-390.58	-839.74	-503.66	4.51	
6665.00	5.080	48.340	6513.89	-387.28	-835.60	-499.80	4.00	
6759.00	15.110	74.430	6606.36	-373.24	-829.52	-484.84	11.46	
6855.00	23.690	81.920	6696.83	-343.08	-823.44	-453.63	9.29	
6949.00	32.300	100.340	6779.91	-299.64	-825.30	-410.06	12.89	
7044.00	42.200	93.250	6855.47	-242.30	-831.69	-353.07	11.34	
7138.00	46.090	94.040	6922.91	-176.99	-835.86	-287.75	4.18	
7233.00	53.600	96.250	6984.13	-104.50	-842.45	-215.50	8.10	
7327.00	62.480	100.520	7033.86	-24.87	-854.20	-136.73	10.20	
7423.00	71.320	101.230	7071.48	63.19	-870.86	-50.10	9.23	
7518.00	76.090	97.350	7098.14	154.28	-885.54	39.85	6.37	
7551.00†	78.285	94.707	7105.46	186.44	-888.91	71.84	10.26	CROSSED 460' SETBACK (978'FSL & 461'FWL, SEC. 05)
7618.00	82.810	89.460	7116.47	252.20	-891.30	137.85	10.26	LANDING POINT (964'FSL & 528'FWL, SEC. 05)
7712.00	82.680	87.650	7128.34	344.32	-888.94	231.06	1.92	
7807.00	84.000	85.930	7139.36	437.05	-883.66	325.27	2.27	
7902.00	86.790	87.520	7146.99	530.08	-878.25	419.79	3.38	
7997.00	88.110	90.740	7151.21	623.97	-876.81	514.67	3.66	
8093.00	88.290	90.250	7154.23	719.22	-877.64	610.62	0.54	
8188.00	87.800	92.630	7157.47	813.63	-880.03	705.53	2.56	
8282.00	84.800	91.750	7163.54	907.03	-883.61	799.25	3.33	
8377.00	84.180	91.530	7172.66	1001.11	-886.32	893.77	0.69	
8472.00	85.110	90.560	7181.52	1095.10	-888.04	988.34	1.41	
8567.00	87.410	90.030	7187.72	1189.15	-888.53	1083.13	2.48	
8662.00	86.920	89.860	7192.42	1283.22	-888.44	1178.01	0.55	
8757.00	87.010	90.740	7197.45	1377.35	-888.94	1272.88	0.93	
8851.00	85.820	90.740	7203.33	1470.53	-890.15	1366.69	1.27	
8946.00	89.000	89.240	7207.62	1564.61	-890.13	1461.57	3.70	
9041.00	88.600	90.960	7209.61	1658.81	-890.30	1556.55	1.86	
9135.00	88.200	91.220	7212.23	1752.19	-892.08	1650.50	0.51	
9230.00	89.400	89.940	7214.22	1846.49	-893.04	1745.47	1.85	
9325.00	88.690	90.560	7215.81	1940.72	-893.46	1840.45	0.99	
9419.00	90.810	90.830	7216.22	2034.07	-894.60	1934.44	2.27	



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Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	FAIRVIEW 6 AWB
Facility	SEC.05-T02N-R68W		

WELLPATH DATA (145 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
9514.00	90.590	91.620	7215.06	2128.50	-896.63	2029.41	0.86	
9608.00	89.090	90.740	7215.32	2221.93	-898.57	2123.38	1.85	
9703.00	88.510	91.130	7217.31	2316.30	-900.12	2218.35	0.74	
9797.00	87.500	91.350	7220.58	2409.69	-902.15	2312.27	1.10	
9891.00	87.010	91.620	7225.08	2503.07	-904.58	2406.13	0.60	
9986.00	88.910	90.340	7228.46	2597.40	-906.20	2501.05	2.41	
10081.00	87.890	90.650	7231.12	2691.67	-907.03	2596.01	1.12	
10175.00	88.510	87.340	7234.07	2784.59	-905.38	2689.93	3.58	
10270.00	89.400	87.740	7235.80	2878.15	-901.30	2784.83	1.03	
10364.00	91.300	90.340	7235.23	2971.13	-899.73	2878.80	3.43	
10459.00	90.810	89.860	7233.48	3065.33	-899.89	2973.78	0.72	
10554.00	90.010	89.460	7232.80	3159.45	-899.33	3068.78	0.94	
10649.00	89.220	88.140	7233.44	3253.37	-897.34	3163.75	1.62	
10743.00	90.190	90.120	7233.92	3346.37	-895.91	3257.74	2.35	
10838.00	92.000	87.340	7232.11	3440.25	-893.81	3352.68	3.49	
10933.00	91.120	87.120	7229.52	3533.70	-889.22	3447.53	0.95	
11028.00	90.590	87.040	7228.10	3627.14	-884.38	3542.40	0.56	
11123.00	93.020	90.030	7225.11	3720.93	-881.95	3637.30	4.05	
11218.00	93.680	94.660	7219.55	3815.37	-885.83	3732.04	4.91	
11312.00	90.990	96.330	7215.73	3909.22	-894.82	3825.51	3.37	
11407.00	88.200	92.630	7216.40	4004.07	-902.24	3920.20	4.88	
11502.00	87.190	92.320	7220.22	4098.63	-906.34	4015.03	1.11	
11596.00	88.200	90.340	7224.00	4192.01	-908.52	4108.92	2.36	
11691.00	91.780	89.640	7224.01	4286.19	-908.50	4203.91	3.84	
11786.00	90.190	89.720	7222.38	4380.31	-907.97	4298.89	1.68	
11881.00	92.000	89.460	7220.57	4474.39	-907.29	4393.86	1.92	
11976.00	90.990	89.720	7218.09	4568.47	-906.61	4488.83	1.10	
12070.00	90.410	89.860	7216.94	4661.62	-906.27	4582.82	0.63	
12165.00	90.010	89.240	7216.59	4755.72	-905.52	4677.82	0.78	
12260.00	88.910	90.030	7217.49	4849.83	-904.92	4772.81	1.43	
12355.00	91.210	89.720	7217.39	4944.00	-904.71	4867.80	2.44	
12450.00	89.880	90.560	7216.48	5038.22	-904.94	4962.79	1.66	
12545.00	91.780	89.720	7215.11	5132.43	-905.17	5057.78	2.19	
12640.00	92.400	89.240	7211.64	5226.45	-904.31	5152.71	0.83	
12734.00	91.210	91.220	7208.68	5319.66	-904.69	5246.66	2.46	
12829.00	88.690	92.320	7208.76	5414.18	-907.62	5341.60	2.89	
12924.00	87.890	92.460	7211.60	5508.77	-911.58	5436.48	0.85	
13019.00	89.090	91.220	7214.10	5603.28	-914.63	5531.39	1.82	
13114.00	88.690	91.440	7215.94	5697.72	-916.84	5626.35	0.48	
13208.00	90.720	89.940	7216.43	5791.06	-917.97	5720.33	2.69	
13303.00	89.880	90.740	7215.93	5885.32	-918.53	5815.33	1.22	
13398.00	90.500	90.650	7215.61	5979.66	-919.69	5910.32	0.66	
13493.00	90.010	91.130	7215.19	6074.04	-921.16	6005.30	0.72	
13588.00	89.090	90.560	7215.94	6168.41	-922.56	6100.29	1.14	
13683.00	91.380	87.740	7215.55	6262.40	-921.15	6195.26	3.82	



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Facility	SEC.05-T02N-R68W		

WELLPATH DATA (145 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
13777.00	91.120	87.650	7213.50	6355.02	-917.37	6289.16	0.29	
13872.00	91.120	87.430	7211.64	6448.58	-913.30	6384.06	0.23	
13966.00	91.120	87.650	7209.80	6541.16	-909.26	6477.95	0.23	
14060.00	90.990	90.430	7208.07	6634.13	-907.69	6571.92	2.96	
14155.00	90.990	89.640	7206.43	6728.32	-907.75	6666.90	0.83	
14250.00	89.700	90.960	7205.86	6822.57	-908.24	6761.89	1.94	
14344.00	90.100	90.340	7206.02	6915.91	-909.31	6855.89	0.78	
14439.00	90.410	90.560	7205.60	7010.20	-910.06	6950.88	0.40	
14522.00	90.280	89.940	7205.10	7092.55	-910.42	7033.88	0.76	BAKER HANDS DRILLED USING 3RD PARTY MWD-LAST SURVEY (1012'FSL & 2176'FWL, SEC.04)
14586.00	90.280	89.940	7204.79	7156.00	-910.35	7097.88	0.00	BAKER HANDS DRILLED USING 3RD PARTY MWD-PTB (1012'FSL & 2112'FWL, SEC.04)

HOLE & CASING SECTIONS - Ref Wellbore: FAIRVIEW 6 AWB Ref Wellpath: FAIRVIEW 6 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	20.00	1562.00	1542.00	20.00	1561.87	0.00	0.00	14.73	-2.74
9.625in Casing Surface	20.00	1562.00	1542.00	20.00	1561.87	0.00	0.00	14.73	-2.74
7.875in Open Hole	1562.00	14586.00	13024.00	1561.87	7204.79	14.73	-2.74	-910.35	7097.88
5.5in Casing Production	20.00	14586.00	14566.00	20.00	7204.79	0.00	0.00	-910.35	7097.88

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
SEC.04-T02N-R68W	4.00	-2.53	139.74	3130047.27	1303569.24	40°09'56.722"N	105°02'04.801"W	polygon
SEC.05-T02N-R68W	4.00	-2.53	139.74	3130047.27	1303569.24	40°09'56.722"N	105°02'04.801"W	polygon
FAIRVIEW 6 BHL ON PLAT (990'FSL & 2208'FWL, SEC.04)	6950.00	-931.96	7130.19	3137042.19	1302676.51	40°09'47.527"N	105°00'34.762"W	point
FAIRVIEW 6 LANDING POINT (990'FSL & 460'FWL, SEC.05)	6950.00	-865.95	53.65	3129965.71	1302705.41	40°09'48.190"N	105°02'05.910"W	point
SEC.04/05-T02B-R68W BOTTOM HALF SECTIONS	7684.00	-2.53	139.74	3130047.27	1303569.24	40°09'56.722"N	105°02'04.801"W	polygon
SEC.04/05-T02N-R68W 460'SETBACK	7684.00	-2.53	139.74	3130047.27	1303569.24	40°09'56.722"N	105°02'04.801"W	polygon

WELLPATH COMPOSITION - Ref Wellbore: FAIRVIEW 6 AWB Ref Wellpath: FAIRVIEW 6 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
20.00	1485.00	Custom NaviTrak (Standard) (Rockies 0.03Gt model)	BHI MWD/NAVITRAK (STD) 13.5" HOLE <293-1485>	FAIRVIEW 6 AWB
1485.00	14522.00	ISCWSA MWD, Rev. 3 (Standard)	BAKER HANDS DRILLED USING 3RD PARTY MWD<1614-14522>	FAIRVIEW 6 AWB
14522.00	14586.00	Blind Drilling (std)	Projection to bit	FAIRVIEW 6 AWB



Actual Wellpath Report

FAIRVIEW 6 AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	EXTRACTION OIL & GAS	Slot	SLOT#06 FAIRVIEW 6 (1855'FSL & 390'FWL, SEC.05)
Area	COLORADO	Well	FAIRVIEW 6
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	FAIRVIEW 6 AWB
Facility	SEC.05-T02N-R68W		

WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
293.00	0.130	35.620	293.00	FIRST BHI MWD SURVEY
1485.00	0.370	244.480	1484.88	LAST BHI MWD SURVEY
1614.00	1.020	273.130	1613.87	BAKER HANDS DRILLED USING 3RD PARTY MWD-FIRST SURVEY
7551.00	78.285	94.707	7105.46	CROSSED 460' SETBACK (978'FSL & 461'FWL, SEC. 05)
7618.00	82.810	89.460	7116.47	LANDING POINT (964'FSL & 528'FWL, SEC. 05)
14522.00	90.280	89.940	7205.10	BAKER HANDS DRILLED USING 3RD PARTY MWD-LAST SURVEY (1012'FSL & 2176'FWL, SEC.04)
14586.00	90.280	89.940	7204.79	BAKER HANDS DRILLED USING 3RD PARTY MWD-PTB (1012'FSL & 2112'FWL, SEC.04)