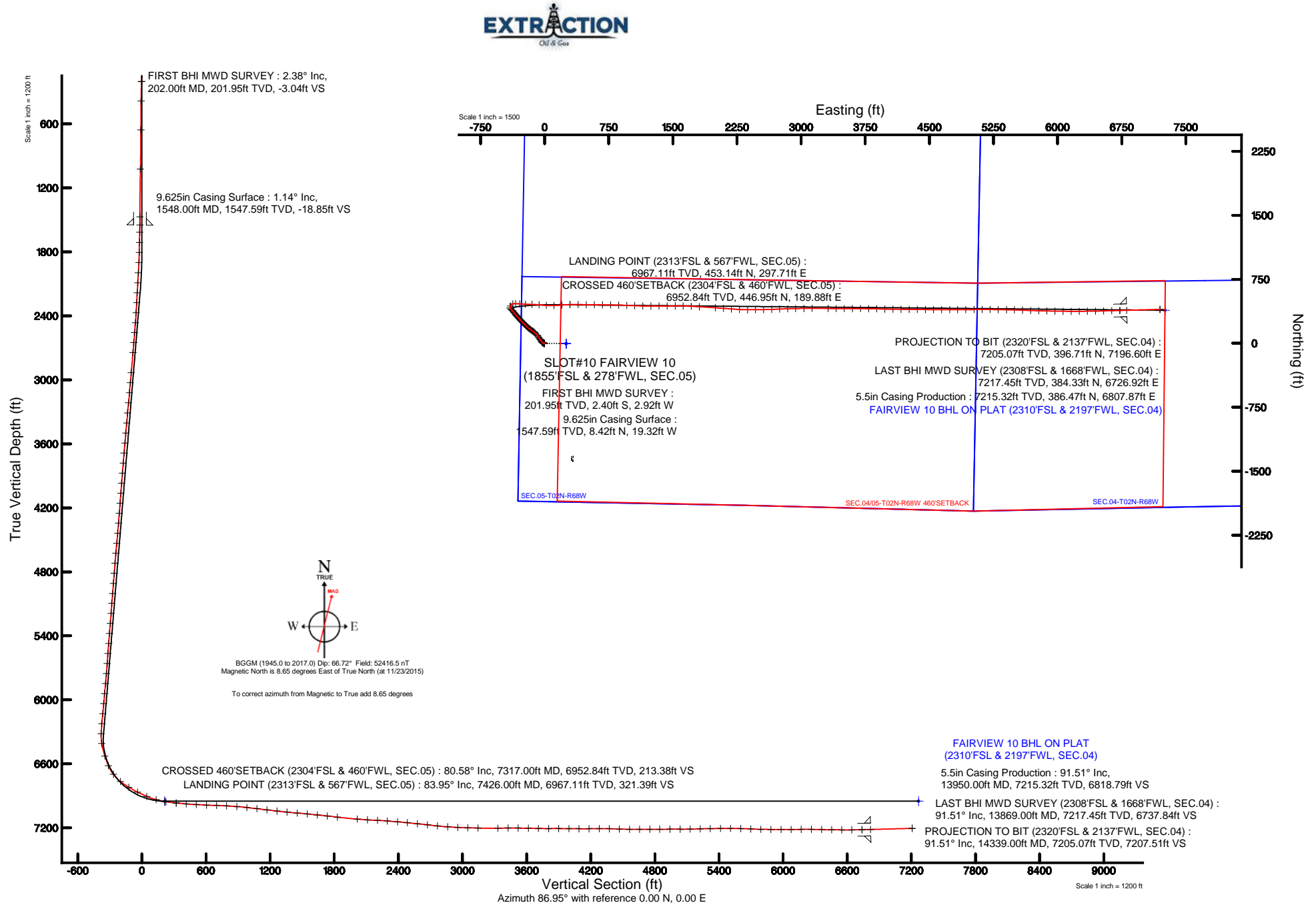
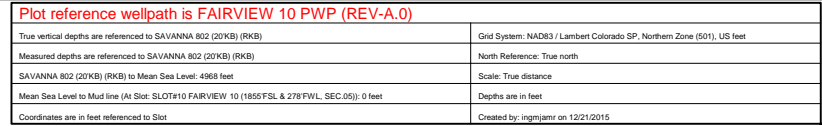


Location:	COLORADO	Slot:	SLOT#10 FAIRVIEW 10 (1855'FSL & 278'FWL, SEC.05)
Field:	WELD COUNTY (NAD83/TRUE NORTH)	Well:	FAIRVIEW 10
Facility:	SEC.05-T02N-R68W	Wellbore:	FAIRVIEW 10 PWB





# Actual Wellpath Report

FAIRVIEW 10 AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	EXTRACTION OIL & GAS	Slot	SLOT#10 FAIRVIEW 10 (1855'FSL & 278'FWL, SEC.05)
Area	COLORADO	Well	FAIRVIEW 10
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	FAIRVIEW 10 AWB
Facility	SEC.05-T02N-R68W		

## REPORT SETUP INFORMATION

Projection System	NAD83 / Lambert Colorado SP, Northern Zone (501), US feet	Software System	WellArchitect® 4.1.1
North Reference	True	User	Ingmjmr
Scale	0.999958	Report Generated	12/21/2015 at 2:28:30 PM
Convergence at slot	0.30° East	Database/Source file	WA_DEN_Denver_Defn/FAIRVIEW_10_AWB.xml

## WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	4.66	-251.85	3129795.41	1303572.58	40°09'56.768"N	105°02'08.045"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	4968.00ft
Horizontal Reference Pt	Slot	SAVANNA 802 (20'KB) (RKB) to Mean Sea Level	4968.00ft
Vertical Reference Pt	SAVANNA 802 (20'KB) (RKB)	SAVANNA 802 (20'KB) (RKB) to Mud Line at Slot (SLOT#10 FAIRVIEW 10 (1855'FSL & 278'FWL, SEC.05))	4968.00ft
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	86.95°



# Actual Wellpath Report

FAIRVIEW 10 AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	EXTRACTION OIL & GAS	Slot	SLOT#10 FAIRVIEW 10 (1855'FSL & 278'FWL, SEC.05)
Area	COLORADO	Well	FAIRVIEW 10
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	FAIRVIEW 10 AWB
Facility	SEC.05-T02N-R68W		

## WELLPATH DATA (136 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	230.600	0.00	0.00	0.00	0.00	0.00	
20.00	0.000	230.600	20.00	0.00	0.00	0.00	0.00	
202.00	2.380	230.600	201.95	-3.04	-2.40	-2.92	1.31	FIRST BHI MWD SURVEY
386.00	0.980	228.210	385.86	-7.35	-5.87	-7.05	0.76	
657.00	1.050	354.170	656.84	-9.28	-4.95	-9.03	0.67	
1024.00	2.210	321.790	1023.70	-13.52	3.96	-13.75	0.39	
1471.00	0.410	169.070	1470.60	-18.26	9.16	-18.77	0.58	
1616.00	2.000	241.450	1615.57	-20.47	7.44	-20.90	1.32	
1711.00	1.010	256.590	1710.53	-22.79	6.46	-23.17	1.11	
1806.00	1.380	275.490	1805.51	-24.75	6.37	-25.12	0.56	
1901.00	5.770	328.850	1900.32	-28.13	10.57	-28.73	5.34	
1996.00	6.170	324.830	1994.81	-33.09	18.83	-34.14	0.61	
2091.00	6.110	327.400	2089.26	-38.30	27.26	-39.81	0.30	
2185.00	6.110	325.310	2182.73	-43.39	35.59	-45.35	0.24	
2278.00	6.020	324.830	2275.21	-48.58	43.65	-50.98	0.11	
2373.00	5.920	322.740	2369.69	-53.99	51.62	-56.81	0.25	
2468.00	9.500	327.420	2463.82	-60.61	62.13	-64.00	3.82	
2562.00	8.550	326.410	2556.65	-67.98	74.49	-72.05	1.02	
2657.00	8.330	323.330	2650.62	-75.38	85.89	-80.06	0.53	
2752.00	7.660	317.020	2744.70	-83.26	96.04	-88.49	1.16	
2941.00	7.460	315.610	2932.06	-99.44	114.02	-105.66	0.14	
3036.00	7.320	313.630	3026.27	-107.67	122.61	-114.35	0.31	
3131.00	7.130	309.350	3120.52	-116.18	130.52	-123.29	0.60	
3226.00	6.760	303.850	3214.82	-125.00	137.37	-132.50	0.80	
3321.00	6.270	303.860	3309.21	-133.62	143.38	-141.45	0.52	
3416.00	6.580	307.150	3403.61	-141.93	149.55	-150.09	0.51	
3511.00	6.450	304.720	3498.00	-150.30	155.88	-158.82	0.32	
3606.00	6.290	303.970	3592.41	-158.68	161.83	-167.52	0.19	
3701.00	6.000	305.090	3686.86	-166.74	167.59	-175.90	0.33	
3795.00	6.380	310.320	3780.32	-174.40	173.79	-183.90	0.72	
3890.00	6.610	313.900	3874.71	-181.97	181.00	-191.87	0.49	
3985.00	6.400	314.450	3969.10	-189.28	188.50	-199.58	0.23	
4080.00	6.560	313.560	4063.49	-196.58	195.95	-207.30	0.20	
4173.00	6.520	315.550	4155.88	-203.72	203.38	-214.84	0.25	
4268.00	6.790	316.110	4250.24	-210.96	211.27	-222.51	0.29	
4362.00	7.040	314.020	4343.56	-218.52	219.28	-230.51	0.38	
4457.00	7.250	314.380	4437.82	-226.54	227.52	-238.98	0.23	
4552.00	7.330	313.130	4532.05	-234.79	235.86	-247.69	0.19	
4646.00	7.420	314.400	4625.28	-243.05	244.20	-256.40	0.20	
4741.00	7.270	317.260	4719.50	-251.03	252.91	-264.86	0.42	
4836.00	7.470	318.070	4813.71	-258.75	261.92	-273.07	0.24	
4931.00	7.300	318.620	4907.93	-266.37	271.04	-281.18	0.19	
5026.00	7.020	316.410	5002.18	-273.89	279.77	-289.18	0.41	
5120.00	6.780	317.680	5095.50	-281.13	288.04	-296.87	0.30	
5214.00	6.750	317.500	5188.85	-288.15	296.21	-304.34	0.04	



# Actual Wellpath Report

FAIRVIEW 10 AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	EXTRACTION OIL & GAS	Slot	SLOT#10 FAIRVIEW 10 (1855'FSL & 278'FWL, SEC.05)
Area	COLORADO	Well	FAIRVIEW 10
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	FAIRVIEW 10 AWB
Facility	SEC.05-T02N-R68W		

## WELLPATH DATA (136 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
5309.00	6.720	314.440	5283.19	-295.46	304.22	-312.08	0.38	
5404.00	7.050	316.740	5377.51	-302.98	312.36	-320.05	0.45	
5499.00	7.650	320.760	5471.73	-310.48	321.50	-328.04	0.83	
5594.00	7.850	324.940	5565.86	-317.65	331.71	-335.77	0.63	
5689.00	7.950	324.260	5659.96	-324.64	342.35	-343.33	0.14	
5784.00	8.350	324.470	5754.00	-331.89	353.30	-351.18	0.42	
5878.00	9.680	319.130	5846.84	-340.40	364.83	-360.32	1.67	
5974.00	7.510	322.050	5941.76	-348.94	375.88	-369.46	2.30	
6069.00	7.570	310.650	6035.94	-357.02	384.85	-378.02	1.57	
6163.00	7.600	310.260	6129.12	-366.02	392.90	-387.46	0.06	
6258.00	7.560	313.920	6223.29	-374.85	401.30	-396.76	0.51	
6354.00	10.560	345.600	6318.14	-380.90	414.21	-403.50	5.95	
6448.00	18.900	26.560	6409.19	-375.05	436.26	-398.82	13.69	
6572.00	18.450	71.060	6527.24	-346.11	460.72	-371.14	11.24	
6668.00	22.650	93.480	6617.25	-313.07	464.53	-338.26	9.22	
6762.00	37.230	94.700	6698.49	-266.66	461.09	-291.60	15.52	
6858.00	52.730	92.140	6766.19	-199.43	457.26	-224.06	16.25	
6952.00	58.650	91.450	6819.15	-122.09	454.84	-146.49	6.33	
7047.00	63.250	94.330	6865.28	-39.53	450.61	-63.59	5.52	
7141.00	66.650	95.490	6905.07	44.79	443.31	21.24	3.79	
7236.00	75.400	87.160	6935.98	134.20	441.41	110.88	12.39	
7317.00†	80.577	84.844	6952.84	213.38	446.95	189.88	6.98	CROSSED 460'SETBACK (2304'FSL & 460'FWL, SEC.05)
7330.00	81.410	84.480	6954.87	226.21	448.14	202.66	6.98	
7426.00	83.950	89.480	6967.11	321.39	453.14	297.71	5.80	LANDING POINT (2313'FSL & 567'FWL, SEC.05)
7521.00	85.460	90.500	6975.88	415.85	453.16	392.30	1.92	
7615.00	86.730	91.090	6982.28	509.42	451.86	486.07	1.49	
7710.00	87.650	90.190	6986.93	604.10	450.80	580.95	1.35	
7805.00	88.760	90.780	6989.91	698.87	449.99	675.89	1.32	
7900.00	86.080	91.160	6994.19	793.54	448.39	770.78	2.85	
7995.00	86.020	91.210	7000.73	888.05	446.43	865.53	0.08	
8090.00	83.410	92.170	7009.48	982.31	443.64	960.08	2.93	
8185.00	83.450	91.850	7020.35	1076.32	440.33	1054.39	0.34	
8280.00	82.760	91.840	7031.75	1170.29	437.29	1148.66	0.73	
8375.00	84.150	90.360	7042.58	1264.42	435.48	1243.02	2.13	
8470.00	83.820	89.550	7052.54	1358.77	435.56	1337.49	0.92	
8565.00	85.800	89.700	7061.13	1453.27	436.18	1432.10	2.09	
8660.00	84.440	88.680	7069.21	1547.85	437.51	1526.74	1.79	
8755.00	83.490	91.290	7079.20	1642.18	437.54	1621.20	2.91	
8849.00	84.130	93.690	7089.34	1735.19	433.48	1714.56	2.63	
8944.00	83.450	93.190	7099.62	1829.03	427.81	1808.83	0.89	
9133.00	85.240	94.040	7118.24	2015.83	415.95	1996.53	1.05	
9228.00	86.570	94.290	7125.02	2109.83	409.07	2091.03	1.42	
9323.00	87.600	94.130	7129.85	2203.95	402.10	2185.65	1.10	
9417.00	85.180	93.470	7135.77	2297.08	395.89	2279.25	2.67	
9512.00	85.160	90.330	7143.77	2391.38	392.75	2373.85	3.29	



# Actual Wellpath Report

FAIRVIEW 10 AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	EXTRACTION OIL & GAS	Slot	SLOT#10 FAIRVIEW 10 (1855'FSL & 278'FWL, SEC.05)
Area	COLORADO	Well	FAIRVIEW 10
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	FAIRVIEW 10 AWB
Facility	SEC.05-T02N-R68W		

## WELLPATH DATA (136 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
9606.00	84.630	89.330	7152.14	2484.89	393.03	2467.47	1.20	
9700.00	84.100	88.600	7161.37	2578.37	394.71	2561.00	0.96	
9795.00	83.430	88.260	7171.69	2672.78	397.30	2655.41	0.79	
9889.00	83.450	87.170	7182.43	2766.15	401.03	2748.72	1.15	
9984.00	86.600	88.780	7190.66	2860.77	404.37	2843.28	3.72	
10078.00	87.130	88.540	7195.80	2954.58	406.56	2937.12	0.62	
10173.00	88.450	89.820	7199.47	3049.44	407.92	3032.03	1.93	
10268.00	88.270	89.860	7202.19	3144.28	408.18	3126.99	0.19	
10456.00	90.890	90.560	7203.56	3331.95	407.49	3314.97	1.44	
10551.00	90.360	90.590	7202.53	3426.76	406.54	3409.96	0.56	
10646.00	89.530	90.400	7202.62	3521.57	405.72	3504.95	0.90	
10741.00	88.950	89.920	7203.88	3616.41	405.46	3599.94	0.79	
10836.00	88.520	89.750	7205.98	3711.27	405.73	3694.92	0.49	
10931.00	90.330	91.070	7206.93	3806.09	405.05	3789.91	2.36	
11026.00	89.840	91.340	7206.79	3900.82	403.05	3884.89	0.59	
11121.00	89.530	91.750	7207.31	3995.52	400.49	3979.85	0.54	
11216.00	88.850	90.330	7208.65	4090.26	398.77	4074.82	1.66	
11310.00	90.980	90.740	7208.79	4184.07	397.89	4168.81	2.31	
11405.00	90.270	90.580	7207.76	4278.87	396.79	4263.80	0.77	
11500.00	88.480	89.980	7208.79	4373.70	396.33	4358.79	1.99	
11594.00	88.420	91.160	7211.34	4467.47	395.40	4452.75	1.26	
11689.00	89.160	89.860	7213.34	4562.27	394.55	4547.72	1.57	
11784.00	90.640	90.210	7213.51	4657.13	394.49	4642.72	1.60	
11879.00	90.090	90.120	7212.90	4751.98	394.22	4737.71	0.59	
11973.00	89.690	90.270	7213.08	4845.82	393.90	4831.71	0.45	
12068.00	90.770	89.980	7212.70	4940.68	393.69	4926.71	1.18	
12163.00	89.260	87.710	7212.68	5035.62	395.61	5021.68	2.87	
12258.00	91.380	90.610	7212.15	5130.53	397.00	5116.65	3.78	
12352.00	92.090	91.000	7209.30	5224.27	395.68	5210.60	0.86	
12447.00	90.460	91.080	7207.19	5319.00	393.95	5305.56	1.72	
12543.00	90.610	90.510	7206.29	5414.78	392.62	5401.55	0.61	
12637.00	90.370	91.720	7205.49	5508.53	390.79	5495.52	1.31	
12732.00	88.020	92.160	7206.82	5603.15	387.58	5590.45	2.52	
12827.00	87.500	92.210	7210.53	5697.68	383.96	5685.31	0.55	
12921.00	88.760	91.660	7213.60	5791.28	380.79	5779.20	1.46	
13016.00	89.410	91.240	7215.12	5885.97	378.38	5874.16	0.81	
13112.00	89.220	91.050	7216.27	5981.71	376.47	5970.13	0.28	
13206.00	90.770	90.380	7216.27	6075.50	375.29	6064.12	1.80	
13300.00	91.260	90.490	7214.61	6169.31	374.58	6158.11	0.53	
13396.00	88.920	89.550	7214.46	6265.17	374.55	6254.10	2.63	
13491.00	88.580	89.440	7216.53	6360.05	375.38	6349.07	0.38	
13585.00	89.470	89.020	7218.13	6453.96	376.65	6443.05	1.05	
13680.00	89.560	88.160	7218.93	6548.92	378.98	6538.02	0.91	
13774.00	90.360	88.430	7219.00	6642.89	381.78	6631.97	0.90	
13869.00	91.510	88.490	7217.45	6737.84	384.33	6726.92	1.21	LAST BHI MWD SURVEY (2308'FSL & 1668'FWL, SEC.04)



# Actual Wellpath Report

FAIRVIEW 10 AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	EXTRACTION OIL & GAS	Slot	SLOT#10 FAIRVIEW 10 (1855'FSL & 278'FWL, SEC.05)
Area	COLORADO	Well	FAIRVIEW 10
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	FAIRVIEW 10 AWB
Facility	SEC.05-T02N-R68W		

## WELLPATH DATA (136 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
14339.00	91.510	88.490	7205.07	7207.51	396.71	7196.60	0.00	PROJECTION TO BIT (2320'FSL & 2137'FWL, SEC.04)

## HOLE & CASING SECTIONS - Ref Wellbore: FAIRVIEW 10 AWB Ref Wellpath: FAIRVIEW 10 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	1548.00	1528.00	20.00	1547.59	0.00	0.00	8.42	-19.32
9.625in Casing Surface	20.00	1548.00	1528.00	20.00	1547.59	0.00	0.00	8.42	-19.32
7.875in Open Hole	1548.00	13950.00	12402.00	1547.59	7215.32	8.42	-19.32	386.47	6807.87
5.5in Casing Production	20.00	13950.00	13930.00	20.00	7215.32	0.00	0.00	386.47	6807.87

## TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
SEC.04-T02N-R68W	7.00	-4.65	251.85	3130047.27	1303569.24	40°09'56.722"N	105°02'04.801"W	polygon
SEC.05-T02N-R68W	7.00	-4.65	251.85	3130047.27	1303569.24	40°09'56.722"N	105°02'04.801"W	polygon
FAIRVIEW 10 BHL ON PLAT (2310'FSL & 2197'FWL, SEC.04)	6950.00	386.53	7256.45	3137049.42	1303997.09	40°10'00.577"N	105°00'34.574"W	point
FAIRVIEW 10 LANDING POINT (2310'FSL & 460'FWL, SEC.05)	6950.00	451.77	190.34	3129983.38	1304025.32	40°10'01.232"N	105°02'05.593"W	point
SEC.04/05-T02B-R68W BOTTOM HALF SECTIONS	7687.00	-4.65	251.85	3130047.27	1303569.24	40°09'56.722"N	105°02'04.801"W	polygon
SEC.04/05-T02N-R68W 460'SETBACK	7687.00	-4.65	251.85	3130047.27	1303569.24	40°09'56.722"N	105°02'04.801"W	polygon

## WELLPATH COMPOSITION - Ref Wellbore: FAIRVIEW 10 AWB Ref Wellpath: FAIRVIEW 10 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
20.00	1471.00	Custom NaviTrak (Standard) (Rockies 0.03Gt model)	BHI MWD/NAVITRAK (STD) 13.5" HOLE <202-1471>	FAIRVIEW 10 AWB
1471.00	13869.00	Custom NaviTrak (Standard) (Rockies 0.03Gt model)	BHI MWD/NAVITRAK (STD) 7.875" HOLE <1616-13869>	FAIRVIEW 10 AWB
13869.00	14339.00	Blind Drilling (std)	Projection to bit	FAIRVIEW 10 AWB



# Actual Wellpath Report

FAIRVIEW 10 AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	EXTRACTION OIL & GAS	Slot	SLOT#10 FAIRVIEW 10 (1855'FSL & 278'FWL, SEC.05)
Area	COLORADO	Well	FAIRVIEW 10
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	FAIRVIEW 10 AWB
Facility	SEC.05-T02N-R68W		

## WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
202.00	2.380	230.600	201.95	FIRST BHI MWD SURVEY
7317.00	80.577	84.844	6952.84	CROSSED 460'SETBACK (2304'FSL & 460'FWL, SEC.05)
7426.00	83.950	89.480	6967.11	LANDING POINT (2313'FSL & 567'FWL, SEC.05)
13869.00	91.510	88.490	7217.45	LAST BHI MWD SURVEY (2308'FSL & 1668'FWL, SEC.04)
14339.00	91.510	88.490	7205.07	PROJECTION TO BIT (2320'FSL & 2137'FWL, SEC.04)