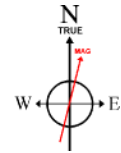


# EXTRACTION OIL & GAS

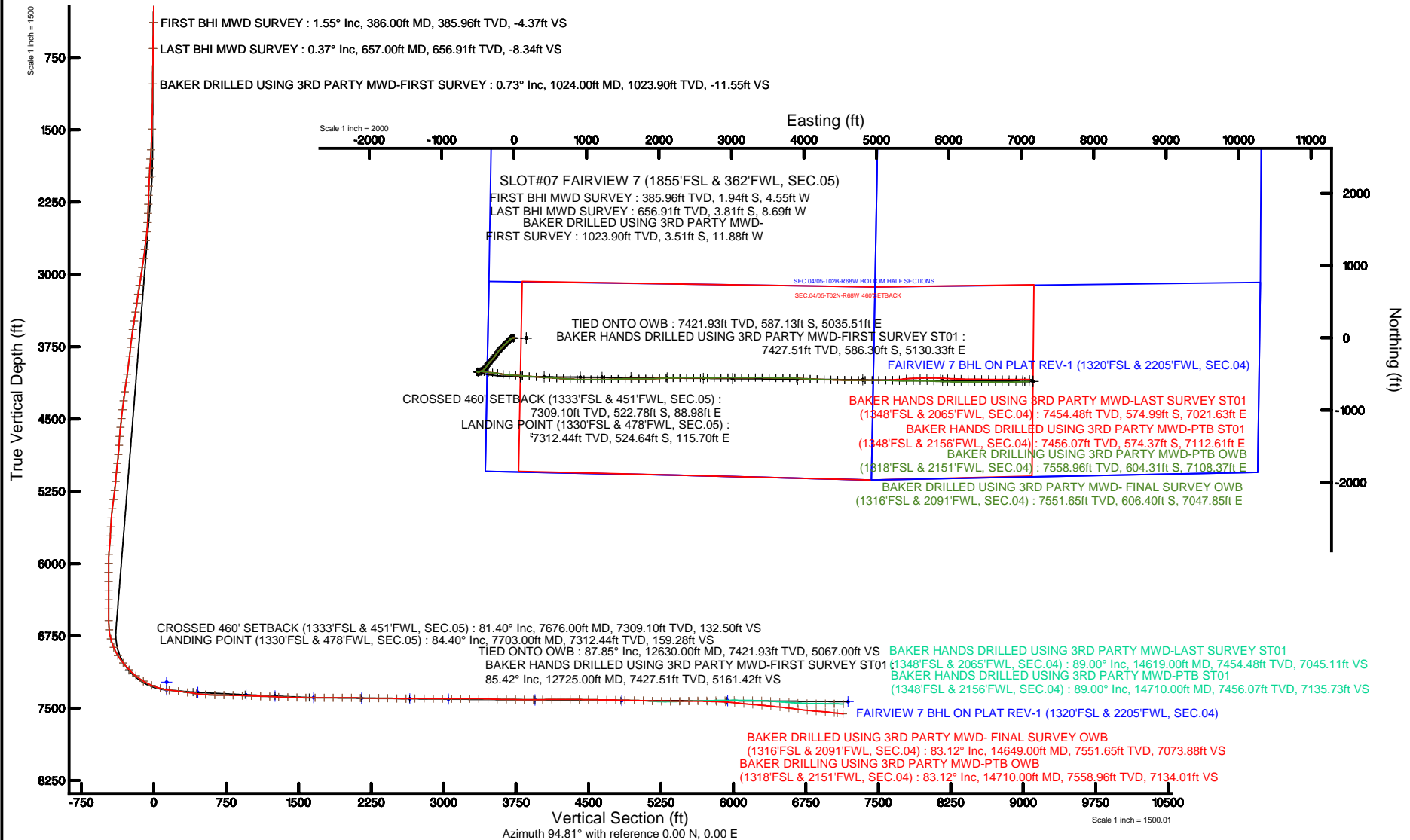
Location: COLORADO Slot: SLOT#07 FAIRVIEW 7 (1855'FSL & 362'FWL, SEC.05)  
Field: WELD COUNTY (NAD83/TRUE NORTH) Well: FAIRVIEW 7  
Facility: SEC.05-T02N-R68W Wellbore: FAIRVIEW 7 PWB

Plot reference wellpath is FAIRVIEW 7 PWP (REV-B.0)	Grid System: NAD83 / Lambert Colorado SP, Northern Zone (501), US feet
True vertical depths are referenced to SAVANNA 802 (20'KB) (RKB)	* = Wellpath was transformed from a different geodetic datum
Measured depths are referenced to SAVANNA 802 (20'KB) (RKB)	North Reference: True north
SAVANNA 802 (20'KB) (RKB) to Mean Sea Level: 4966 feet	Scale: True distance
Mean Sea Level to Mud line (At Slot: SLOT#07 FAIRVIEW 7 (1855'FSL & 362'FWL, SEC.05)): 0 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: ingmjamm on 2016-02-22
	Database: WA_DEN_Denver_Defn



BGGM (1945.0 to 2017.0) Dip: 66.71° Field: 52403.5 nT  
Magnetic North is 8.64 degrees East of True North (at 1/4/2016)

To correct azimuth from Magnetic to True add 8.64 degrees





# Actual Wellpath Report

FAIRVIEW 7 AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	EXTRACTION OIL & GAS	Slot	SLOT#07 FAIRVIEW 7 (1855'FSL & 362'FWL, SEC.05)
Area	COLORADO	Well	FAIRVIEW 7
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	FAIRVIEW 7 AWP
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	2/22/2016 at 12:29:33 PM
Convergence at slot	0.31° East	Database/Source file	WA_DEN_Denver_Defn/FAIRVIEW_7_AWP.xml

## WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	3.24	-168.00	3129879.26	1303571.60	40°09'56.754"N	105°02'06.965"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	4966.00ft
Horizontal Reference Pt	Slot	SAVANNA 802 (20'KB) (RKB) to Mean Sea Level	4966.00ft
Vertical Reference Pt	SAVANNA 802 (20'KB) (RKB)	SAVANNA 802 (20'KB) (RKB) to Mud Line at Slot (SLOT#07 FAIRVIEW 7 (1855'FSL & 362'FWL, SEC.05))	4966.00ft
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	94.81°



# Actual Wellpath Report

FAIRVIEW 7 AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	EXTRACTION OIL & GAS	Slot	SLOT#07 FAIRVIEW 7 (1855'FSL & 362'FWL, SEC.05)
Area	COLORADO	Well	FAIRVIEW 7
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	FAIRVIEW 7 AWB
Facility	SEC.05-T02N-R68W		

## WELLPATH DATA (146 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	246.870	0.00	0.00	0.00	0.00	0.00	
20.00	0.000	246.870	20.00	0.00	0.00	0.00	0.00	
386.00	1.550	246.870	385.96	-4.37	-1.94	-4.55	0.42	FIRST BHI MWD SURVEY
657.00	0.370	240.630	656.91	-8.34	-3.81	-8.69	0.44	LAST BHI MWD SURVEY
1024.00	0.730	292.130	1023.90	-11.55	-3.51	-11.88	0.16	BAKER DRILLED USING 3RD PARTY MWD-FIRST SURVEY
1491.00	1.410	301.190	1490.81	-19.53	0.58	-19.56	0.15	
1708.00	4.150	241.820	1707.57	-28.52	-1.74	-28.76	1.68	
1803.00	4.550	242.090	1802.29	-34.57	-5.13	-35.12	0.42	
1898.00	4.150	245.830	1897.02	-40.75	-8.30	-41.59	0.52	
1993.00	4.770	218.250	1991.74	-45.93	-12.81	-47.17	2.32	
2087.00	4.070	219.610	2085.46	-49.99	-18.45	-51.72	0.75	
2182.00	3.620	218.290	2180.25	-53.57	-23.40	-55.73	0.48	
2275.00	3.180	222.790	2273.09	-56.77	-27.60	-59.30	0.55	
2370.00	2.650	227.370	2367.96	-59.88	-31.02	-62.70	0.61	
2465.00	5.170	228.960	2462.73	-64.35	-35.32	-67.55	2.65	
2559.00	7.950	230.500	2556.11	-71.95	-42.24	-75.76	2.96	
2654.00	11.000	224.280	2649.80	-82.42	-52.91	-87.16	3.38	
2748.00	8.930	229.440	2742.38	-93.25	-64.07	-98.97	2.40	
2843.00	12.240	228.960	2835.75	-105.44	-75.48	-112.17	3.49	
2938.00	14.360	223.890	2928.20	-119.89	-90.59	-127.93	2.54	
3033.00	11.710	228.960	3020.75	-134.03	-105.41	-143.37	3.04	
3128.00	14.010	223.180	3113.37	-147.89	-120.13	-158.52	2.77	
3223.00	16.000	218.420	3205.13	-162.27	-138.77	-174.52	2.46	
3318.00	12.730	222.260	3297.14	-175.89	-156.78	-189.70	3.58	
3413.00	15.250	221.070	3389.32	-189.65	-173.95	-204.95	2.67	
3508.00	13.080	222.830	3481.43	-203.66	-191.26	-220.47	2.33	
3603.00	17.150	214.770	3573.13	-217.28	-210.66	-235.77	4.81	
3697.00	15.290	214.240	3663.38	-230.30	-232.29	-250.65	1.98	
3792.00	11.140	216.400	3755.85	-241.26	-250.04	-263.15	4.40	
3887.00	12.420	213.310	3848.85	-250.95	-265.96	-274.21	1.50	
3982.00	13.650	221.160	3941.41	-262.47	-282.94	-287.20	2.27	
4077.00	10.740	227.020	4034.25	-275.06	-297.42	-301.06	3.32	
4170.00	15.020	220.140	4124.90	-287.86	-312.55	-315.17	4.88	
4265.00	11.450	222.210	4217.36	-300.71	-328.95	-329.45	3.79	
4359.00	13.520	220.670	4309.13	-312.81	-344.20	-342.88	2.23	
4454.00	10.250	221.380	4402.08	-324.36	-358.96	-355.71	3.45	
4549.00	14.360	214.770	4494.89	-335.28	-374.99	-368.02	4.57	
4643.00	12.510	212.830	4586.31	-345.89	-393.12	-380.19	2.03	
4738.00	9.100	212.210	4679.61	-354.18	-408.13	-389.77	3.59	
4833.00	5.440	222.430	4773.84	-360.39	-417.81	-396.82	4.07	
4928.00	8.310	229.220	4868.15	-367.94	-425.62	-405.06	3.13	
5023.00	11.270	219.080	4961.76	-377.98	-437.32	-416.11	3.59	
5117.00	7.470	232.300	5054.50	-387.66	-448.19	-426.74	4.62	
5211.00	4.680	252.220	5147.97	-395.71	-453.10	-435.23	3.68	
5306.00	7.380	252.180	5242.44	-404.92	-456.15	-444.73	2.84	



# Actual Wellpath Report

FAIRVIEW 7 AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	EXTRACTION OIL & GAS	Slot	SLOT#07 FAIRVIEW 7 (1855'FSL & 362'FWL, SEC.05)
Area	COLORADO	Well	FAIRVIEW 7
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	FAIRVIEW 7 AWP
Facility	SEC.05-T02N-R68W		

## WELLPATH DATA (146 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
5401.00	9.990	243.280	5336.34	-417.58	-461.72	-457.90	3.08	
5496.00	6.890	267.820	5430.33	-430.26	-465.65	-470.96	4.93	
5591.00	6.320	232.970	5524.74	-439.82	-469.01	-480.83	4.19	
5686.00	5.300	214.940	5619.26	-445.92	-475.76	-487.52	2.19	
5781.00	2.430	259.450	5714.05	-450.06	-479.73	-492.02	4.16	
5876.00	7.340	312.370	5808.71	-456.82	-476.00	-498.49	6.51	
5971.00	4.290	285.190	5903.23	-465.13	-470.98	-506.40	4.24	
6065.00	0.490	152.980	5997.14	-468.38	-470.42	-509.61	4.93	
6160.00	0.880	328.280	6092.14	-468.60	-470.16	-509.81	1.44	
6255.00	0.490	34.750	6187.13	-468.83	-469.20	-509.97	0.86	
6351.00	0.490	61.150	6283.13	-468.29	-468.67	-509.37	0.23	
6445.00	0.570	242.530	6377.13	-468.35	-468.69	-509.43	1.13	
6540.00	0.090	10.600	6472.13	-468.74	-468.83	-509.84	0.66	
6660.00	1.460	67.710	6592.12	-467.37	-468.16	-508.41	1.18	
6755.00	4.330	87.630	6686.99	-462.73	-467.55	-503.70	3.16	
6851.00	16.480	81.370	6781.23	-445.83	-465.35	-486.56	12.69	
6945.00	21.790	92.790	6870.04	-415.39	-464.20	-455.92	6.89	
7040.00	32.130	100.500	6954.62	-372.50	-469.68	-413.34	11.47	
7134.00	39.550	96.710	7030.78	-317.64	-477.74	-358.95	8.24	
7228.00	43.970	93.360	7100.89	-255.06	-483.16	-296.62	5.27	
7323.00	50.770	99.620	7165.23	-185.31	-491.25	-227.30	8.64	
7419.00	59.300	99.000	7220.19	-106.95	-503.94	-149.73	8.90	
7513.00	66.950	94.730	7262.67	-23.25	-513.85	-66.56	9.09	
7608.00	73.840	92.300	7294.53	66.16	-519.29	22.70	7.64	
7676.00†	81.398	93.702	7309.10	132.50	-522.78	88.98	11.29	CROSSED 460' SETBACK (1333'FSL & 451'FWL, SEC.05)
7703.00	84.400	94.240	7312.44	159.28	-524.64	115.70	11.29	LANDING POINT (1330'FSL & 478'FWL, SEC.05)
7798.00	82.320	94.900	7323.42	253.64	-532.15	209.76	2.30	
7893.00	82.280	94.770	7336.15	347.78	-540.09	303.57	0.14	
7988.00	82.190	92.740	7348.99	441.89	-546.25	397.49	2.12	
8083.00	85.770	93.230	7358.95	536.30	-551.17	491.82	3.80	
8178.00	89.090	94.730	7363.21	631.18	-557.76	586.48	3.83	
8273.00	89.220	93.490	7364.61	726.16	-564.57	681.23	1.31	
8367.00	89.570	94.020	7365.60	820.14	-570.72	775.02	0.68	
8463.00	87.050	92.210	7368.43	916.05	-575.94	870.82	3.23	
8558.00	88.160	89.170	7372.40	1010.70	-577.08	965.72	3.40	
8653.00	88.110	89.790	7375.50	1105.24	-576.22	1060.67	0.65	
8747.00	88.290	89.350	7378.45	1198.80	-575.51	1154.62	0.51	
8842.00	85.860	89.970	7383.30	1293.29	-574.95	1249.48	2.64	
8937.00	89.170	88.250	7387.42	1387.71	-573.47	1344.37	3.93	
9031.00	88.820	87.850	7389.06	1481.05	-570.28	1438.30	0.57	
9126.00	88.640	87.540	7391.17	1575.29	-566.46	1533.20	0.38	
9220.00	90.060	90.940	7392.24	1668.83	-565.21	1627.17	3.92	
9315.00	90.410	89.920	7391.85	1763.55	-565.92	1722.16	1.14	
9409.00	89.970	90.190	7391.54	1857.22	-566.01	1816.16	0.55	
9504.00	90.060	88.470	7391.51	1951.78	-564.90	1911.15	1.81	



# Actual Wellpath Report

FAIRVIEW 7 AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	EXTRACTION OIL & GAS	Slot	SLOT#07 FAIRVIEW 7 (1855'FSL & 362'FWL, SEC.05)
Area	COLORADO	Well	FAIRVIEW 7
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	FAIRVIEW 7 AWB
Facility	SEC.05-T02N-R68W		

## WELLPATH DATA (146 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
9599.00	89.790	87.060	7391.63	2046.06	-561.20	2006.08	1.51	
9693.00	87.270	87.450	7394.05	2139.21	-556.70	2099.93	2.71	
9788.00	90.370	90.100	7396.00	2233.64	-554.67	2194.87	4.29	
9882.00	90.280	89.220	7395.47	2327.26	-554.11	2288.86	0.94	
9976.00	88.420	90.270	7396.54	2420.88	-553.69	2382.85	2.27	
10071.00	87.980	89.350	7399.52	2515.47	-553.38	2477.80	1.07	
10166.00	90.850	91.330	7400.49	2610.17	-553.94	2572.78	3.67	
10260.00	90.940	90.760	7399.02	2703.95	-555.66	2666.75	0.61	
10355.00	88.380	88.070	7399.58	2798.51	-554.69	2761.73	3.91	
10449.00	89.440	89.530	7401.37	2891.97	-552.72	2855.69	1.92	
10544.00	89.170	88.730	7402.53	2986.50	-551.28	2950.67	0.89	
10639.00	90.850	91.200	7402.51	3081.15	-551.22	3045.66	3.14	
10734.00	90.540	90.630	7401.36	3175.92	-552.73	3140.64	0.68	
10829.00	89.660	89.220	7401.19	3270.58	-552.61	3235.64	1.75	
10924.00	89.220	87.810	7402.12	3365.00	-550.15	3330.60	1.55	
11019.00	88.290	92.260	7404.18	3459.62	-550.21	3425.55	4.78	
11114.00	87.630	91.640	7407.57	3554.44	-553.44	3520.43	0.95	
11208.00	89.930	90.980	7409.57	3648.24	-555.58	3614.38	2.55	
11303.00	89.260	89.700	7410.24	3742.94	-556.15	3709.37	1.52	
11397.00	88.600	89.480	7411.99	3836.54	-555.48	3803.36	0.74	
11492.00	90.540	94.110	7412.71	3931.37	-558.45	3898.28	5.28	
11587.00	91.470	93.180	7411.04	4026.33	-564.49	3993.07	1.38	
11682.00	90.590	92.610	7409.33	4121.27	-569.29	4087.93	1.10	
11777.00	90.150	93.050	7408.72	4216.21	-573.98	4182.81	0.65	
11872.00	89.530	91.770	7408.99	4311.12	-577.97	4277.72	1.50	
11966.00	89.040	91.380	7410.16	4404.96	-580.56	4371.68	0.67	
12061.00	89.310	91.330	7411.53	4499.78	-582.80	4466.64	0.29	
12156.00	89.090	90.850	7412.85	4594.57	-584.61	4561.62	0.56	
12251.00	89.220	90.230	7414.25	4689.30	-585.50	4656.60	0.67	
12345.00	89.400	90.100	7415.39	4782.98	-585.77	4750.59	0.24	
12440.00	88.860	90.360	7416.83	4877.67	-586.16	4845.58	0.63	
12536.00	88.560	90.270	7418.99	4973.35	-586.68	4941.56	0.33	
12630.00	87.850	90.270	7421.93	5067.00	-587.13	5035.51	0.76	
12725.00	90.190	91.510	7423.56	5161.76	-588.60	5130.48	2.79	
12820.00	89.260	91.820	7424.01	5256.62	-591.36	5225.43	1.03	
12914.00	88.690	92.130	7425.70	5350.48	-594.60	5319.36	0.69	
13009.00	90.100	89.830	7426.70	5445.26	-596.23	5414.33	2.84	
13105.00	90.500	88.820	7426.20	5540.82	-595.09	5510.32	1.13	
13199.00	88.820	90.630	7426.75	5634.44	-594.64	5604.31	2.63	
13294.00	88.330	91.820	7429.12	5729.22	-596.67	5699.26	1.35	
13389.00	88.250	92.260	7431.95	5824.07	-600.05	5794.16	0.47	
13484.00	86.570	91.860	7436.24	5918.86	-603.47	5889.00	1.82	
13578.00	84.620	91.330	7443.46	6012.43	-606.07	5982.68	2.15	
13673.00	83.690	92.210	7453.14	6106.80	-608.99	6077.14	1.34	
13767.00	85.510	89.350	7461.99	6200.14	-610.26	6170.70	3.59	



# Actual Wellpath Report

FAIRVIEW 7 AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	EXTRACTION OIL & GAS	Slot	SLOT#07 FAIRVIEW 7 (1855'FSL & 362'FWL, SEC.05)
Area	COLORADO	Well	FAIRVIEW 7
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	FAIRVIEW 7 AWB
Facility	SEC.05-T02N-R68W		

## WELLPATH DATA (146 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
13863.00	84.580	88.910	7470.28	6295.31	-608.81	6266.33	1.07	
13957.00	84.400	90.630	7479.30	6388.51	-608.44	6359.89	1.83	
14051.00	84.310	90.320	7488.55	6481.78	-609.21	6453.43	0.34	
14146.00	82.990	91.110	7499.06	6575.96	-610.39	6547.83	1.62	
14241.00	82.410	91.640	7511.13	6670.02	-612.65	6642.04	0.82	
14336.00	83.520	89.530	7522.77	6764.04	-613.61	6736.31	2.49	
14430.00	85.990	88.730	7531.36	6857.18	-612.19	6829.90	2.76	
14525.00	85.110	88.510	7538.73	6951.34	-609.91	6924.58	0.95	
14620.00	83.390	88.340	7548.25	7045.27	-607.31	7019.07	1.82	
14649.00	83.120	88.030	7551.65	7073.88	-606.40	7047.85	1.41	BAKER DRILLED USING 3RD PARTY MWD- FINAL SURVEY OWB (1316'FSL & 2091'FWL, SEC.04)
14710.00	83.120	88.030	7558.96	7134.01	-604.31	7108.37	0.00	BAKER DRILLING USING 3RD PARTY MWD-PTB OWB (1318'FSL & 2151'FWL, SEC.04)



# Actual Wellpath Report

FAIRVIEW 7 AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	EXTRACTION OIL & GAS	Slot	SLOT#07 FAIRVIEW 7 (1855'FSL & 362'FWL, SEC.05)
Area	COLORADO	Well	FAIRVIEW 7
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	FAIRVIEW 7 AWB
Facility	SEC.05-T02N-R68W		

## TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
SEC.04-T02N-R68W	5.00	-3.24	168.00	3130047.27	1303569.24	40°09'56.722"N	105°02'04.801"W	polygon
SEC.05-T02N-R68W	5.00	-3.24	168.00	3130047.27	1303569.24	40°09'56.722"N	105°02'04.801"W	polygon
FAIRVIEW 7 BHL ON PLAT (1320'FSL & 2205'FWL, SEC.04)	7230.00	-602.61	7161.99	3137044.00	1303006.56	40°09'50.789"N	105°00'34.715"W	point
FAIRVIEW 7 LANDING POINT (1320'FSL & 460'FWL, SEC.05)	7230.00	-536.61	88.04	3129970.11	1303035.48	40°09'51.451"N	105°02'05.831"W	point
FAIRVIEW 7 LANDING POINT REV-1 (1320'FSL & 460'FWL, SEC.05)	7310.00	-536.63	88.04	3129970.11	1303035.46	40°09'51.451"N	105°02'05.831"W	point
FAIRVIEW 7 TARGET 1	7336.00	-539.66	413.40	3130295.47	1303034.14	40°09'51.421"N	105°02'01.640"W	point
FAIRVIEW 7 TARGET 2	7361.00	-544.32	913.31	3130795.37	1303032.10	40°09'51.375"N	105°01'55.201"W	point
FAIRVIEW 7 TARGET 3	7374.00	-547.12	1213.25	3131095.31	1303030.87	40°09'51.347"N	105°01'51.338"W	point
FAIRVIEW 7 TARGET 4	7390.00	-550.85	1613.17	3131495.23	1303029.23	40°09'51.310"N	105°01'46.186"W	point
FAIRVIEW 7 TARGET 5	7396.00	-555.51	2113.08	3131995.13	1303027.19	40°09'51.264"N	105°01'39.747"W	point
FAIRVIEW 7 TARGET 6	7402.00	-560.17	2612.98	3132495.03	1303025.15	40°09'51.217"N	105°01'33.308"W	point
FAIRVIEW 7 TARGET 7	7406.00	-563.90	3012.90	3132894.94	1303023.52	40°09'51.180"N	105°01'28.157"W	point
FAIRVIEW 7 TARGET 8	7414.00	-572.29	3912.73	3133794.77	1303019.85	40°09'51.096"N	105°01'16.567"W	point
FAIRVIEW 7 TARGET 9	7421.00	-580.68	4812.56	3134694.59	1303016.17	40°09'51.011"N	105°01'04.977"W	point
FAIRVIEW 7 TARGET 10	7422.00	-590.93	5912.35	3135794.37	1303011.69	40°09'50.907"N	105°00'50.811"W	point
FAIRVIEW 7 BHL ON PLAT REV-1 (1320'FSL & 2205'FWL, SEC.04)	7432.00	-602.59	7161.98	3137043.98	1303006.58	40°09'50.789"N	105°00'34.715"W	point
SEC.04/05-T02B-R68W BOTTOM HALF SECTIONS	7685.00	-3.24	168.00	3130047.27	1303569.24	40°09'56.722"N	105°02'04.801"W	polygon
SEC.04/05-T02N-R68W 460'SETBACK	7685.00	-3.24	168.00	3130047.27	1303569.24	40°09'56.722"N	105°02'04.801"W	polygon



Actual Wellpath Report  
FAIRVIEW 7 AWP  
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REFERENCE WELLPATH IDENTIFICATION			
Operator	EXTRACTION OIL & GAS	Slot	SLOT#07 FAIRVIEW 7 (1855'FSL & 362'FWL, SEC.05)
Area	COLORADO	Well	FAIRVIEW 7
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	FAIRVIEW 7 AWB
Facility	SEC.05-T02N-R68W		

WELLPATH COMPOSITION - Ref Wellbore: FAIRVIEW 7 AWB    Ref Wellpath: FAIRVIEW 7 AWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
20.00	657.00	Custom NaviTrak (Standard) (Rockies 0.03Gt model)	BHI MWD/NAVITRAK (STD) 13.5" HOLE <386-657>	FAIRVIEW 7 AWB
657.00	14649.00	Custom ISCWSA MWD, Rev. 3 (Standard) (Rockies 0.03Gt)	BAKER DRILLED-3RD PARTY MWD SURVEYS 7.875" HOLE <1024-14649>	FAIRVIEW 7 AWB
14649.00	14710.00	Blind Drilling (std)	Projection to bit	FAIRVIEW 7 AWB





# Actual Wellpath Report

FAIRVIEW 7 AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	EXTRACTION OIL & GAS	Slot	SLOT#07 FAIRVIEW 7 (1855'FSL & 362'FWL, SEC.05)
Area	COLORADO	Well	FAIRVIEW 7
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	FAIRVIEW 7 AWB
Facility	SEC.05-T02N-R68W		

## WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
386.00	1.550	246.870	385.96	FIRST BHI MWD SURVEY
657.00	0.370	240.630	656.91	LAST BHI MWD SURVEY
1024.00	0.730	292.130	1023.90	BAKER DRILLED USING 3RD PARTY MWD-FIRST SURVEY
7676.00	81.398	93.702	7309.10	CROSSED 460' SETBACK (1333'FSL & 451'FWL, SEC.05)
7703.00	84.400	94.240	7312.44	LANDING POINT (1330'FSL & 478'FWL, SEC.05)
14649.00	83.120	88.030	7551.65	BAKER DRILLED USING 3RD PARTY MWD- FINAL SURVEY OWB (1316'FSL & 2091'FWL, SEC.04)
14710.00	83.120	88.030	7558.96	BAKER DRILLING USING 3RD PARTY MWD-PTB OWB (1318'FSL & 2151'FWL, SEC.04)



# Actual Wellpath Report

FAIRVIEW 7 ST01 AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	EXTRACTION OIL & GAS	Slot	SLOT#07 FAIRVIEW 7 (1855'FSL & 362'FWL, SEC.05)
Area	COLORADO	Well	FAIRVIEW 7
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	FAIRVIEW 7 ST01 AWP
Facility	SEC.05-T02N-R68W	Sidetrack from	FAIRVIEW 7 AWP at 12630.00 MD

## 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	2/22/2016 at 12:30:18 PM
Convergence at slot	0.31° East	Database/Source file	WA_DEN_Denver_Defn/FAIRVIEW_7_ST01_AWP.xml

## WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	3.24	-168.00	3129879.26	1303571.60	40°09'56.754"N	105°02'06.965"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	4966.00ft
Horizontal Reference Pt	Slot	SAVANNA 802 (20'KB) (RKB) to Mean Sea Level	4966.00ft
Vertical Reference Pt	SAVANNA 802 (20'KB) (RKB)	SAVANNA 802 (20'KB) (RKB) to Mud Line at Slot (SLOT#07 FAIRVIEW 7 (1855'FSL & 362'FWL, SEC.05))	4966.00ft
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	94.81°



# Actual Wellpath Report

FAIRVIEW 7 ST01 AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	EXTRACTION OIL & GAS	Slot	SLOT#07 FAIRVIEW 7 (1855'FSL & 362'FWL, SEC.05)
Area	COLORADO	Well	FAIRVIEW 7
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	FAIRVIEW 7 ST01 AWP
Facility	SEC.05-T02N-R68W	Sidetrack from	FAIRVIEW 7 AWP at 12630.00 MD

## WELLPATH DATA (23 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
12630.00	87.850	90.270	7421.93	5067.00	-587.13	5035.51	0.76	TIED ONTO OWB
12725.00	85.420	88.730	7427.51	5161.42	-586.30	5130.33	3.03	BAKER HANDS DRILLED USING 3RD PARTY MWD-FIRST SURVEY ST01
12820.00	88.690	85.910	7432.39	5255.47	-581.86	5225.08	4.54	
12914.00	91.380	85.650	7432.33	5348.29	-574.95	5318.82	2.88	
13009.00	92.000	84.240	7429.53	5441.85	-566.58	5413.40	1.62	
13105.00	93.200	88.250	7425.18	5536.66	-560.30	5509.08	4.36	
13199.00	90.590	88.730	7422.07	5630.03	-557.82	5602.98	2.82	
13294.00	90.500	88.420	7421.16	5724.46	-555.46	5697.95	0.34	
13389.00	90.810	91.420	7420.08	5819.10	-555.33	5792.93	3.17	
13484.00	90.900	92.430	7418.66	5913.96	-558.52	5887.87	1.07	
13579.00	90.100	92.610	7417.83	6008.88	-562.70	5982.77	0.86	
13673.00	89.090	92.210	7418.50	6102.80	-566.65	6076.68	1.16	
13767.00	88.910	92.040	7420.14	6196.68	-570.13	6170.61	0.26	
13863.00	87.980	90.230	7422.74	6292.44	-572.03	6266.55	2.12	
13957.00	86.390	90.850	7427.36	6386.06	-572.92	6360.42	1.82	
14051.00	85.900	90.720	7433.68	6479.62	-574.20	6454.20	0.54	
14146.00	85.590	89.610	7440.73	6574.05	-574.48	6548.94	1.21	
14240.00	86.920	90.940	7446.87	6667.55	-574.93	6642.73	2.00	
14335.00	88.910	90.010	7450.32	6762.21	-575.71	6737.66	2.31	
14430.00	89.220	89.610	7451.87	6856.83	-575.40	6832.65	0.53	
14525.00	89.310	90.140	7453.09	6951.47	-575.19	6927.64	0.57	
14619.00	89.000	89.610	7454.48	7045.11	-574.99	7021.63	0.65	BAKER HANDS DRILLED USING 3RD PARTY MWD-LAST SURVEY ST01(1348'FSL & 2065'FWL, SEC.04)
14710.00	89.000	89.610	7456.07	7135.73	-574.37	7112.61	0.00	BAKER HANDS DRILLED USING 3RD PARTY MWD-PTB ST01 (1348'FSL & 2156'FWL, SEC.04)



# Actual Wellpath Report

FAIRVIEW 7 ST01 AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	EXTRACTION OIL & GAS	Slot	SLOT#07 FAIRVIEW 7 (1855'FSL & 362'FWL, SEC.05)
Area	COLORADO	Well	FAIRVIEW 7
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	FAIRVIEW 7 ST01 AWP
Facility	SEC.05-T02N-R68W	Sidetrack from	FAIRVIEW 7 AWP at 12630.00 MD

## TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
SEC.04-T02N-R68W	5.00	-3.24	168.00	3130047.27	1303569.24	40°09'56.722"N	105°02'04.801"W	polygon
SEC.05-T02N-R68W	5.00	-3.24	168.00	3130047.27	1303569.24	40°09'56.722"N	105°02'04.801"W	polygon
FAIRVIEW 7 BHL ON PLAT (1320'FSL & 2205'FWL, SEC.04)	7230.00	-602.61	7161.99	3137044.00	1303006.56	40°09'50.789"N	105°00'34.715"W	point
FAIRVIEW 7 LANDING POINT (1320'FSL & 460'FWL, SEC.05)	7230.00	-536.61	88.04	3129970.11	1303035.48	40°09'51.451"N	105°02'05.831"W	point
FAIRVIEW 7 LANDING POINT REV-1 (1320'FSL & 460'FWL, SEC.05)	7310.00	-536.63	88.04	3129970.11	1303035.46	40°09'51.451"N	105°02'05.831"W	point
FAIRVIEW 7 TARGET 1	7336.00	-539.66	413.40	3130295.47	1303034.14	40°09'51.421"N	105°02'01.640"W	point
FAIRVIEW 7 TARGET 2	7361.00	-544.32	913.31	3130795.37	1303032.10	40°09'51.375"N	105°01'55.201"W	point
FAIRVIEW 7 TARGET 3	7374.00	-547.12	1213.25	3131095.31	1303030.87	40°09'51.347"N	105°01'51.338"W	point
FAIRVIEW 7 TARGET 4	7390.00	-550.85	1613.17	3131495.23	1303029.23	40°09'51.310"N	105°01'46.186"W	point
FAIRVIEW 7 TARGET 5	7396.00	-555.51	2113.08	3131995.13	1303027.19	40°09'51.264"N	105°01'39.747"W	point
FAIRVIEW 7 TARGET 6	7402.00	-560.17	2612.98	3132495.03	1303025.15	40°09'51.217"N	105°01'33.308"W	point
FAIRVIEW 7 TARGET 7	7406.00	-563.90	3012.90	3132894.94	1303023.52	40°09'51.180"N	105°01'28.157"W	point
FAIRVIEW 7 TARGET 8	7414.00	-572.29	3912.73	3133794.77	1303019.85	40°09'51.096"N	105°01'16.567"W	point
FAIRVIEW 7 TARGET 9	7421.00	-580.68	4812.56	3134694.59	1303016.17	40°09'51.011"N	105°01'04.977"W	point
FAIRVIEW 7 TARGET 10	7422.00	-590.93	5912.35	3135794.37	1303011.69	40°09'50.907"N	105°00'50.811"W	point
FAIRVIEW 7 BHL ON PLAT REV-1 (1320'FSL & 2205'FWL, SEC.04)	7432.00	-602.59	7161.98	3137043.98	1303006.58	40°09'50.789"N	105°00'34.715"W	point
SEC.04/05-T02B-R68W BOTTOM HALF SECTIONS	7685.00	-3.24	168.00	3130047.27	1303569.24	40°09'56.722"N	105°02'04.801"W	polygon
SEC.04/05-T02N-R68W 460'SETBACK	7685.00	-3.24	168.00	3130047.27	1303569.24	40°09'56.722"N	105°02'04.801"W	polygon



# Actual Wellpath Report

FAIRVIEW 7 ST01 AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	EXTRACTION OIL & GAS	Slot	SLOT#07 FAIRVIEW 7 (1855'FSL & 362'FWL, SEC.05)
Area	COLORADO	Well	FAIRVIEW 7
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	FAIRVIEW 7 ST01 AWB
Facility	SEC.05-T02N-R68W	Sidetrack from	FAIRVIEW 7 AWP at 12630.00 MD

## WELLPATH COMPOSITION - Ref Wellbore: FAIRVIEW 7 ST01 AWB Ref Wellpath: FAIRVIEW 7 ST01 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
20.00	657.00	Custom NaviTrak (Standard) (Rockies 0.03Gt model)	BHI MWD/NAVITRAK (STD) 13.5" HOLE <386-657>	FAIRVIEW 7 AWP
657.00	12630.00	Custom ISCWSA MWD, Rev. 3 (Standard) (Rockies 0.03Gt)	BAKER DRILLED-3RD PARTY MWD SURVEYS 7.875" HOLE <1024-14649>	FAIRVIEW 7 AWP
12630.00	14619.00	ISCWSA MWD, Rev. 3 (Standard)	BAKER HANDS DRILLED USING 3RD PARTY MWD <12725-14619>	FAIRVIEW 7 ST01 AWP
14619.00	14710.00	Blind Drilling (std)	Projection to bit	FAIRVIEW 7 ST01 AWP



# Actual Wellpath Report

FAIRVIEW 7 ST01 AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	EXTRACTION OIL & GAS	Slot	SLOT#07 FAIRVIEW 7 (1855'FSL & 362'FWL, SEC.05)
Area	COLORADO	Well	FAIRVIEW 7
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	FAIRVIEW 7 ST01 AWP
Facility	SEC.05-T02N-R68W	Sidetrack from	FAIRVIEW 7 AWP at 12630.00 MD

## WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
386.00	1.550	246.870	385.96	FIRST BHI MWD SURVEY
657.00	0.370	240.630	656.91	LAST BHI MWD SURVEY
1024.00	0.730	292.130	1023.90	BAKER DRILLED USING 3RD PARTY MWD-FIRST SURVEY
7676.00	81.398	93.702	7309.10	CROSSED 460' SETBACK (1333'FSL & 451'FWL, SEC.05)
7703.00	84.400	94.240	7312.44	LANDING POINT (1330'FSL & 478'FWL, SEC.05)
12630.00	87.850	90.270	7421.93	TIED ONTO OWB
12725.00	85.420	88.730	7427.51	BAKER HANDS DRILLED USING 3RD PARTY MWD-FIRST SURVEY ST01
14619.00	89.000	89.610	7454.48	BAKER HANDS DRILLED USING 3RD PARTY MWD-LAST SURVEY ST01(1348'FSL & 2065'FWL, SEC.04)
14710.00	89.000	89.610	7456.07	BAKER HANDS DRILLED USING 3RD PARTY MWD-PTB ST01 (1348'FSL & 2156'FWL, SEC.04)