



Actual Wellpath Report

PROPERTY RESERVE #4-65 3-4 2BH AWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BURLINGTON RESOURCES	Slot	SLOT#03 PROPERTY RESERVE #4-65 3-4 2BH (2308'FNL & 505'FEL, SEC.03)
Area	COLORADO	Well	PROPERTY RESERVE #4-65 3-4 2BH
Field	ARAPAHOE COUNTY (NAD83/TN)	Wellbore	PROPERTY RESERVE #4-65 3-4 2BH AWB
Facility	SEC.03-T04S-R65W		

REPORT SETUP INFORMATION			
Projection System	NAD83 / Lambert Colorado SP, Central Zone (502), US feet	Software System	WellArchitect® 5.1
North Reference	True	User	Komeraf
Scale	0.999997	Report Generated	2/20/2019 at 12:00:37 PM
Convergence at slot	0.54° East	Database/Source file	WA DENVER/PROPERTY_RESERVE_#4-65_3-4_2BH_AWP.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	0.00	-80.47	3241166.55	1693216.46	39°44'00.810"N	104°38'33.000"W
Facility Reference Pt			3241247.02	1693217.22	39°44'00.810"N	104°38'31.970"W
Field Reference Pt			3256721.09	1679994.75	39°41'48.650"N	104°35'15.610"W

WELLPATH DATUM			
Calculation method	Minimum curvature	NABORS B16 (25'KB) (RKB) to Facility Vertical Datum	5637.00ft
Horizontal Reference Pt	Slot	NABORS B16 (25'KB) (RKB) to Mean Sea Level	5637.00ft
Vertical Reference Pt	NABORS B16 (25'KB) (RKB)	NABORS B16 (25'KB) (RKB) to Mud Line at Slot (SLOT#03 PROPERTY RESERVE #4-65 3-4 2BH (2308'FNL & 505'FEL, SEC.03))	5637.00ft
MD Reference Pt	NABORS B16 (25'KB) (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	272.97°

BURLINGTON
RESOURCES

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Area	COLORADO	Well	PROPERTY RESERVE #4-65 3-4 2BH
Field	ARAPAHOE COUNTY (NAD83/TN)	Wellbore	PROPERTY RESERVE #4-65 3-4 2BH AWP
Facility	SEC.03-T04S-R65W		

WELLPATH DATA (169 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
2170.00	0.560	247.180	2169.96	10.99	-2.55	-11.14	3241155.44	1693213.81	39°44'00.785"N	104°38'33.143"W	0.14	TIE ON SURVEY
2256.00	0.060	84.520	2255.96	11.32	-2.71	-11.48	3241155.10	1693213.65	39°44'00.783"N	104°38'33.147"W	0.72	FIRST BHGE MWD SURVEY
2350.00	0.040	205.560	2349.96	11.29	-2.74	-11.45	3241155.13	1693213.62	39°44'00.783"N	104°38'33.146"W	0.09	
2445.00	0.070	286.350	2444.96	11.36	-2.75	-11.52	3241155.06	1693213.61	39°44'00.783"N	104°38'33.147"W	0.08	
2539.00	0.030	98.030	2538.96	11.39	-2.74	-11.55	3241155.03	1693213.62	39°44'00.783"N	104°38'33.148"W	0.11	
2633.00	0.000	98.260	2632.96	11.36	-2.74	-11.52	3241155.06	1693213.62	39°44'00.783"N	104°38'33.147"W	0.03	
2728.00	0.040	105.520	2727.96	11.33	-2.75	-11.49	3241155.09	1693213.61	39°44'00.783"N	104°38'33.147"W	0.04	
2822.00	0.060	60.570	2821.96	11.26	-2.73	-11.42	3241155.16	1693213.62	39°44'00.783"N	104°38'33.146"W	0.05	
2917.00	0.030	244.980	2916.96	11.24	-2.72	-11.39	3241155.18	1693213.64	39°44'00.783"N	104°38'33.146"W	0.09	
3011.00	0.040	39.210	3010.96	11.24	-2.70	-11.40	3241155.18	1693213.65	39°44'00.783"N	104°38'33.146"W	0.07	
3105.00	0.060	209.510	3104.96	11.24	-2.72	-11.40	3241155.18	1693213.64	39°44'00.783"N	104°38'33.146"W	0.11	
3200.00	0.060	355.800	3199.96	11.27	-2.72	-11.43	3241155.15	1693213.64	39°44'00.783"N	104°38'33.146"W	0.12	
3294.00	0.060	61.060	3293.96	11.24	-2.64	-11.39	3241155.19	1693213.71	39°44'00.784"N	104°38'33.146"W	0.07	
3389.00	0.030	122.790	3388.96	11.17	-2.63	-11.32	3241155.25	1693213.73	39°44'00.784"N	104°38'33.145"W	0.06	
3483.00	0.040	292.910	3482.96	11.18	-2.63	-11.33	3241155.24	1693213.73	39°44'00.784"N	104°38'33.145"W	0.07	
3578.00	0.090	253.610	3577.96	11.28	-2.64	-11.44	3241155.14	1693213.72	39°44'00.784"N	104°38'33.146"W	0.07	
3672.00	0.060	267.130	3671.96	11.40	-2.66	-11.56	3241155.02	1693213.69	39°44'00.784"N	104°38'33.148"W	0.04	
3766.00	0.040	124.710	3765.96	11.42	-2.68	-11.58	3241155.00	1693213.67	39°44'00.783"N	104°38'33.148"W	0.10	
3861.00	0.000	98.260	3860.96	11.39	-2.70	-11.55	3241155.03	1693213.65	39°44'00.783"N	104°38'33.148"W	0.04	
3955.00	0.070	167.210	3954.96	11.38	-2.76	-11.54	3241155.04	1693213.60	39°44'00.783"N	104°38'33.148"W	0.07	
4050.00	0.070	286.600	4049.96	11.42	-2.80	-11.58	3241155.00	1693213.56	39°44'00.782"N	104°38'33.148"W	0.13	
4144.00	0.070	305.330	4143.96	11.52	-2.75	-11.68	3241154.89	1693213.60	39°44'00.783"N	104°38'33.150"W	0.02	
4238.00	0.070	222.490	4237.96	11.61	-2.76	-11.77	3241154.81	1693213.59	39°44'00.783"N	104°38'33.151"W	0.10	
4333.00	0.060	205.920	4332.96	11.67	-2.85	-11.83	3241154.75	1693213.51	39°44'00.782"N	104°38'33.151"W	0.02	
4427.00	0.090	192.210	4426.96	11.70	-2.96	-11.87	3241154.71	1693213.39	39°44'00.781"N	104°38'33.152"W	0.04	
4522.00	0.030	110.780	4521.96	11.68	-3.04	-11.86	3241154.72	1693213.31	39°44'00.780"N	104°38'33.152"W	0.10	
4616.00	0.130	263.870	4615.96	11.77	-3.06	-11.94	3241154.64	1693213.29	39°44'00.780"N	104°38'33.153"W	0.17	
4710.00	0.060	33.280	4709.95	11.85	-3.04	-12.02	3241154.56	1693213.32	39°44'00.780"N	104°38'33.154"W	0.19	
4805.00	0.070	28.530	4804.96	11.80	-2.94	-11.97	3241154.61	1693213.41	39°44'00.781"N	104°38'33.153"W	0.01	
4899.00	0.030	11.710	4898.95	11.77	-2.87	-11.93	3241154.65	1693213.48	39°44'00.782"N	104°38'33.153"W	0.04	
4994.00	0.090	80.490	4993.95	11.69	-2.83	-11.85	3241154.72	1693213.52	39°44'00.782"N	104°38'33.152"W	0.09	
5088.00	0.030	217.040	5087.95	11.63	-2.84	-11.80	3241154.78	1693213.51	39°44'00.782"N	104°38'33.151"W	0.12	
5182.00	0.100	24.660	5181.95	11.62	-2.78	-11.78	3241154.80	1693213.57	39°44'00.782"N	104°38'33.151"W	0.14	
5277.00	1.650	7.940	5276.94	11.47	-1.35	-11.55	3241155.01	1693215.00	39°44'00.797"N	104°38'33.148"W	1.64	
5371.00	4.030	22.780	5370.82	10.23	3.03	-10.09	3241156.44	1693219.40	39°44'00.840"N	104°38'33.129"W	2.63	
5466.00	6.560	31.230	5465.41	6.53	10.75	-5.98	3241160.47	1693227.16	39°44'00.916"N	104°38'33.077"W	2.78	
5560.00	8.890	46.140	5558.56	-0.98	20.38	2.04	3241168.40	1693236.86	39°44'01.011"N	104°38'32.974"W	3.25	
5654.00	11.550	61.840	5651.08	-14.01	29.86	15.58	3241181.85	1693246.47	39°44'01.105"N	104°38'32.801"W	4.07	
5749.00	13.180	67.930	5743.87	-31.97	38.41	34.00	3241200.19	1693255.20	39°44'01.190"N	104°38'32.565"W	2.20	
5843.00	14.190	67.710	5835.20	-52.10	46.81	54.60	3241220.70	1693263.79	39°44'01.273"N	104°38'32.301"W	1.08	
5937.00	14.080	68.030	5926.36	-72.88	55.46	75.86	3241241.88	1693272.64	39°44'01.358"N	104°38'32.029"W	0.14	
6031.00	13.420	66.910	6017.66	-93.05	64.01	96.50	3241262.44	1693281.39	39°44'01.443"N	104°38'31.765"W	0.76	
6126.00	14.690	64.990	6109.82	-113.59	73.43	117.56	3241283.41	1693291.00	39°44'01.536"N	104°38'31.495"W	1.42	
6221.00	15.400	62.530	6201.56	-135.11	84.34	139.67	3241305.41	1693302.12	39°44'01.644"N	104°38'31.212"W	1.01	
6315.00	15.480	62.340	6292.17	-156.66	95.92	161.85	3241327.49	1693313.91	39°44'01.758"N	104°38'30.928"W	0.10	



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Area	COLORADO	Well	PROPERTY RESERVE #4-65 3-4 2BH
Field	ARAPAHOE COUNTY (NAD83/TN)	Wellbore	PROPERTY RESERVE #4-65 3-4 2BH AWP
Facility	SEC.03-T04S-R65W		

WELLPATH DATA (169 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
6409.00	16.420	61.200	6382.55	-178.75	108.15	184.60	3241350.13	1693326.35	39°44'01.879"N	104°38'30.637"W	1.05	
6504.00	17.850	57.810	6473.33	-202.07	122.37	208.69	3241374.08	1693340.80	39°44'02.019"N	104°38'30.329"W	1.84	
6598.00	19.160	55.780	6562.47	-226.14	138.72	233.64	3241398.87	1693357.39	39°44'02.181"N	104°38'30.009"W	1.55	
6692.00	21.560	54.940	6650.59	-252.03	157.32	260.54	3241425.59	1693376.24	39°44'02.365"N	104°38'29.665"W	2.57	
6787.00	23.190	55.700	6738.44	-280.67	177.89	290.28	3241455.14	1693397.09	39°44'02.568"N	104°38'29.284"W	1.74	
6881.00	24.670	57.250	6824.36	-311.33	198.94	322.07	3241486.73	1693418.43	39°44'02.776"N	104°38'28.877"W	1.71	
6976.00	25.810	57.810	6910.28	-344.33	220.68	356.25	3241520.70	1693440.50	39°44'02.991"N	104°38'28.440"W	1.23	
7070.00	27.570	58.150	6994.27	-378.92	243.06	392.05	3241556.29	1693463.21	39°44'03.212"N	104°38'27.982"W	1.88	
7164.00	25.270	53.320	7078.45	-412.24	266.53	426.63	3241590.64	1693487.01	39°44'03.444"N	104°38'27.539"W	3.35	
7259.00	17.680	23.300	7167.05	-432.95	292.00	448.69	3241612.46	1693512.69	39°44'03.696"N	104°38'27.257"W	13.82	
7353.00	19.030	1.210	7256.38	-437.44	320.47	454.67	3241618.17	1693541.21	39°44'03.977"N	104°38'27.180"W	7.49	
7448.00	20.980	342.550	7345.73	-431.03	352.22	449.89	3241613.09	1693572.91	39°44'04.291"N	104°38'27.241"W	6.99	
7542.00	24.160	316.190	7432.74	-411.08	382.24	431.47	3241594.40	1693602.75	39°44'04.588"N	104°38'27.477"W	11.18	
7636.00	30.070	296.160	7516.55	-375.31	406.57	396.92	3241559.61	1693626.76	39°44'04.828"N	104°38'27.919"W	11.49	
7730.00	36.940	282.820	7594.99	-325.70	423.27	348.11	3241510.65	1693642.99	39°44'04.993"N	104°38'28.544"W	10.68	
7825.00	44.940	275.130	7666.74	-263.91	432.62	286.72	3241449.17	1693651.77	39°44'05.085"N	104°38'29.330"W	9.94	
7920.00	54.220	272.780	7728.27	-191.68	437.50	214.65	3241377.06	1693655.97	39°44'05.134"N	104°38'30.252"W	9.95	
8014.00	64.960	272.120	7775.79	-110.74	440.94	133.77	3241296.16	1693658.64	39°44'05.168"N	104°38'31.288"W	11.44	
8108.00	70.860	272.260	7811.12	-23.68	444.26	46.78	3241209.13	1693661.15	39°44'05.201"N	104°38'32.401"W	6.28	
8202.00	78.280	270.990	7836.11	66.84	446.81	-43.73	3241118.60	1693662.84	39°44'05.226"N	104°38'33.560"W	8.00	
8296.00	85.500	270.810	7849.37	159.77	448.27	-136.72	3241025.61	1693663.43	39°44'05.240"N	104°38'34.750"W	7.68	
8391.00	89.320	269.560	7853.66	254.55	448.58	-231.60	3240930.72	1693662.83	39°44'05.243"N	104°38'35.965"W	4.23	
8485.00	89.260	267.580	7854.82	348.26	446.23	-325.56	3240836.79	1693659.60	39°44'05.220"N	104°38'37.167"W	2.11	
8580.00	89.420	265.850	7855.92	442.68	440.79	-420.40	3240742.01	1693653.26	39°44'05.166"N	104°38'38.381"W	1.83	
8674.00	89.540	270.400	7856.77	536.32	437.72	-514.32	3240648.13	1693649.30	39°44'05.136"N	104°38'39.583"W	4.84	
8769.00	89.110	274.150	7857.89	631.29	441.49	-609.22	3240553.19	1693652.18	39°44'05.173"N	104°38'40.798"W	3.97	
8863.00	89.290	273.470	7859.20	725.27	447.73	-703.00	3240459.36	1693657.54	39°44'05.235"N	104°38'41.999"W	0.75	
8957.00	89.110	271.280	7860.51	819.25	451.63	-796.91	3240365.42	1693660.55	39°44'05.273"N	104°38'43.201"W	2.34	
9051.00	89.230	270.710	7861.88	913.18	453.26	-890.88	3240271.44	1693661.29	39°44'05.289"N	104°38'44.404"W	0.62	
9146.00	89.170	270.020	7863.20	1008.07	453.86	-985.87	3240176.45	1693661.00	39°44'05.295"N	104°38'45.619"W	0.73	
9241.00	88.950	269.050	7864.76	1102.89	453.09	-1080.85	3240081.48	1693659.33	39°44'05.288"N	104°38'46.835"W	1.05	
9335.00	89.080	268.600	7866.38	1196.63	451.16	-1174.82	3239987.53	1693656.52	39°44'05.268"N	104°38'48.038"W	0.50	
9431.00	88.860	269.390	7868.10	1292.38	449.48	-1270.79	3239891.58	1693653.93	39°44'05.252"N	104°38'49.266"W	0.85	
9525.00	88.920	270.410	7869.92	1386.23	449.32	-1364.77	3239797.61	1693652.88	39°44'05.250"N	104°38'50.469"W	1.09	
9619.00	89.050	272.120	7871.59	1480.17	451.39	-1458.73	3239703.64	1693654.06	39°44'05.271"N	104°38'51.672"W	1.82	
9714.00	89.020	272.350	7873.19	1575.14	455.10	-1553.64	3239608.69	1693656.87	39°44'05.307"N	104°38'52.887"W	0.24	
9808.00	89.260	271.400	7874.60	1669.11	458.17	-1647.58	3239514.73	1693659.06	39°44'05.337"N	104°38'54.089"W	1.04	
9903.00	89.200	268.740	7875.88	1763.98	458.29	-1742.56	3239419.75	1693658.28	39°44'05.339"N	104°38'55.305"W	2.80	
9997.00	89.110	270.050	7877.26	1857.78	457.29	-1836.54	3239325.78	1693656.40	39°44'05.329"N	104°38'56.508"W	1.40	
10091.00	89.230	279.940	7878.63	1951.60	465.47	-1930.06	3239232.19	1693663.69	39°44'05.409"N	104°38'57.705"W	10.52	
10185.00	88.920	273.550	7880.15	2045.33	476.50	-2023.35	3239138.80	1693673.84	39°44'05.518"N	104°38'58.899"W	6.80	
10279.00	88.920	268.410	7881.92	2139.23	478.11	-2117.29	3239044.85	1693674.56	39°44'05.534"N	104°39'00.102"W	5.47	
10374.00	89.510	272.130	7883.22	2234.09	478.56	-2212.26	3238949.88	1693674.12	39°44'05.539"N	104°39'01.318"W	3.96	
10468.00	88.580	276.190	7884.79	2328.04	485.37	-2305.98	3238856.10	1693680.05	39°44'05.606"N	104°39'02.517"W	4.43	
10562.00	88.650	272.150	7887.06	2421.97	492.20	-2399.68	3238762.34	1693685.99	39°44'05.673"N	104°39'03.717"W	4.30	



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Area	COLORADO	Well	PROPERTY RESERVE #4-65 3-4 2BH
Field	ARAPAHOE COUNTY (NAD83/TN)	Wellbore	PROPERTY RESERVE #4-65 3-4 2BH AWP
Facility	SEC.03-T04S-R65W		

WELLPATH DATA (169 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
10657.00	89.260	271.800	7888.80	2516.94	495.48	-2494.61	3238667.39	1693688.37	39°44'05.705"N	104°39'04.932"W	0.74	
10751.00	89.260	270.630	7890.01	2610.89	497.47	-2588.58	3238573.40	1693689.48	39°44'05.725"N	104°39'06.135"W	1.24	
10885.00	89.110	263.480	7891.92	2744.07	490.59	-2722.30	3238439.75	1693681.34	39°44'05.657"N	104°39'07.846"W	5.34	
10980.00	89.380	264.280	7893.17	2837.87	480.46	-2816.75	3238345.40	1693670.32	39°44'05.557"N	104°39'09.055"W	0.89	
11074.00	89.230	265.740	7894.31	2930.96	472.29	-2910.39	3238251.85	1693661.26	39°44'05.476"N	104°39'10.254"W	1.56	
11168.00	89.230	263.770	7895.57	3023.98	463.70	-3003.98	3238158.34	1693651.78	39°44'05.391"N	104°39'11.452"W	2.10	
11263.00	89.290	267.010	7896.80	3118.13	456.06	-3098.65	3238063.75	1693643.26	39°44'05.315"N	104°39'12.664"W	3.41	
11357.00	89.450	270.000	7897.83	3211.83	453.61	-3192.60	3237969.82	1693639.92	39°44'05.291"N	104°39'13.866"W	3.19	
11451.00	89.320	271.720	7898.84	3305.75	455.02	-3286.58	3237875.83	1693640.44	39°44'05.305"N	104°39'15.069"W	1.83	
11546.00	89.170	269.840	7900.10	3400.67	456.32	-3381.56	3237780.85	1693640.84	39°44'05.317"N	104°39'16.285"W	1.99	
11640.00	89.350	270.620	7901.31	3494.56	456.69	-3475.55	3237686.86	1693640.33	39°44'05.321"N	104°39'17.488"W	0.85	
11734.00	89.350	271.120	7902.38	3588.49	458.12	-3569.54	3237592.87	1693640.87	39°44'05.335"N	104°39'18.691"W	0.53	
11829.00	89.510	269.610	7903.32	3683.38	458.72	-3664.53	3237497.88	1693640.58	39°44'05.341"N	104°39'19.907"W	1.60	
11923.00	89.350	270.820	7904.26	3777.26	459.08	-3758.52	3237403.88	1693640.04	39°44'05.344"N	104°39'21.110"W	1.30	
12018.00	89.450	269.540	7905.25	3872.14	459.38	-3853.51	3237308.89	1693639.44	39°44'05.347"N	104°39'22.326"W	1.35	
12112.00	89.320	272.180	7906.26	3966.07	460.79	-3947.49	3237214.91	1693639.97	39°44'05.361"N	104°39'23.529"W	2.81	
12206.00	89.450	277.600	7907.27	4059.97	468.80	-4041.11	3237121.22	1693647.09	39°44'05.440"N	104°39'24.727"W	5.77	
12300.00	89.320	279.280	7908.28	4153.54	482.59	-4134.08	3237028.12	1693660.01	39°44'05.576"N	104°39'25.917"W	1.79	
12395.00	89.410	277.130	7909.33	4248.13	496.15	-4228.10	3236933.98	1693672.68	39°44'05.710"N	104°39'27.121"W	2.27	
12489.00	89.480	272.200	7910.24	4342.06	503.79	-4321.75	3236840.26	1693679.44	39°44'05.785"N	104°39'28.320"W	5.24	
12583.00	89.350	272.580	7911.20	4436.05	507.71	-4415.66	3236746.31	1693682.47	39°44'05.824"N	104°39'29.522"W	0.43	
12678.00	89.260	271.750	7912.36	4531.03	511.30	-4510.59	3236651.36	1693685.16	39°44'05.859"N	104°39'30.737"W	0.88	
12772.00	89.510	271.060	7913.36	4624.99	513.60	-4604.55	3236557.38	1693686.58	39°44'05.882"N	104°39'31.940"W	0.78	
12866.00	89.110	269.390	7914.50	4718.87	513.97	-4698.54	3236463.39	1693686.06	39°44'05.885"N	104°39'33.143"W	1.83	
12961.00	89.080	268.790	7916.00	4813.64	512.46	-4793.52	3236368.43	1693683.66	39°44'05.870"N	104°39'34.358"W	0.63	
13055.00	89.140	268.250	7917.46	4907.34	510.04	-4887.48	3236274.50	1693680.34	39°44'05.846"N	104°39'35.561"W	0.58	
13150.00	89.110	267.860	7918.91	5001.98	506.81	-4982.41	3236179.61	1693676.22	39°44'05.814"N	104°39'36.776"W	0.41	
13244.00	89.260	268.100	7920.24	5095.62	503.50	-5076.34	3236085.71	1693672.02	39°44'05.781"N	104°39'37.979"W	0.30	
13339.00	89.230	268.340	7921.50	5190.28	500.55	-5171.29	3235990.80	1693668.18	39°44'05.752"N	104°39'39.194"W	0.25	
13433.00	89.260	268.310	7922.73	5283.97	497.80	-5265.24	3235896.87	1693664.54	39°44'05.724"N	104°39'40.397"W	0.05	
13528.00	89.230	268.700	7923.99	5378.67	495.32	-5360.20	3235801.94	1693661.17	39°44'05.700"N	104°39'41.612"W	0.41	
13623.00	89.290	267.430	7925.21	5473.31	492.12	-5455.13	3235707.04	1693657.07	39°44'05.668"N	104°39'42.827"W	1.34	
13717.00	89.380	263.670	7926.31	5566.50	484.82	-5548.83	3235613.42	1693648.89	39°44'05.595"N	104°39'44.026"W	4.00	
13811.00	89.510	264.340	7927.22	5659.35	475.01	-5642.31	3235520.04	1693638.19	39°44'05.498"N	104°39'45.223"W	0.73	
13906.00	89.570	265.630	7927.98	5753.42	466.70	-5736.94	3235425.49	1693628.99	39°44'05.416"N	104°39'46.434"W	1.36	
14000.00	89.380	266.600	7928.84	5846.74	460.33	-5830.72	3235331.78	1693621.74	39°44'05.353"N	104°39'47.635"W	1.05	
14094.00	89.780	269.210	7929.53	5940.36	456.90	-5924.65	3235237.89	1693617.42	39°44'05.319"N	104°39'48.837"W	2.81	
14190.00	89.880	272.050	7929.81	6036.27	457.95	-6020.63	3235141.90	1693617.57	39°44'05.329"N	104°39'50.066"W	2.96	
14284.00	89.880	274.880	7930.01	6130.26	463.63	-6114.45	3235048.03	1693622.36	39°44'05.385"N	104°39'51.267"W	3.01	
14378.00	89.850	274.810	7930.23	6224.21	471.57	-6208.11	3234954.30	1693629.42	39°44'05.463"N	104°39'52.465"W	0.08	
14473.00	89.750	274.360	7930.56	6319.17	479.17	-6302.81	3234859.53	1693636.12	39°44'05.538"N	104°39'53.678"W	0.49	
14567.00	89.750	273.820	7930.97	6413.15	485.87	-6396.57	3234765.72	1693641.94	39°44'05.604"N	104°39'54.878"W	0.57	
14662.00	89.880	272.600	7931.28	6508.15	491.19	-6491.41	3234670.82	1693646.36	39°44'05.656"N	104°39'56.092"W	1.29	
14756.00	89.880	275.430	7931.48	6602.12	497.77	-6585.17	3234577.01	1693652.06	39°44'05.721"N	104°39'57.292"W	3.01	
14850.00	89.690	274.940	7931.83	6696.05	506.27	-6678.79	3234483.32	1693659.67	39°44'05.805"N	104°39'58.490"W	0.56	

BURLINGTON
RESOURCES

Actual Wellpath Report

PROPERTY RESERVE #4-65 3-4 2BH AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BURLINGTON RESOURCES	Slot	SLOT#03 PROPERTY RESERVE #4-65 3-4 2BH (2308'FNL & 505'FEL, SEC.03)
Area	COLORADO	Well	PROPERTY RESERVE #4-65 3-4 2BH
Field	ARAPAHOE COUNTY (NAD83/TN)	Wellbore	PROPERTY RESERVE #4-65 3-4 2BH AWP
Facility	SEC.03-T04S-R65W		

WELLPATH DATA (169 stations)												
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
14944.00	89.660	272.350	7932.36	6790.04	512.24	-6772.59	3234389.46	1693664.76	39°44'05.864"N	104°39'59.691"W	2.76	
15039.00	89.690	265.890	7932.90	6884.77	510.78	-6867.53	3234294.55	1693662.40	39°44'05.849"N	104°40'00.906"W	6.80	
15133.00	89.750	265.080	7933.36	6977.97	503.38	-6961.23	3234200.91	1693654.12	39°44'05.775"N	104°40'02.106"W	0.86	
15227.00	89.720	266.240	7933.80	7071.20	496.27	-7054.96	3234107.26	1693646.12	39°44'05.705"N	104°40'03.305"W	1.23	
15322.00	89.540	266.450	7934.41	7165.56	490.22	-7149.76	3234012.51	1693639.17	39°44'05.645"N	104°40'04.519"W	0.29	
15416.00	89.880	268.280	7934.89	7259.11	485.89	-7243.66	3233918.66	1693633.96	39°44'05.602"N	104°40'05.721"W	1.98	
15510.00	89.750	270.030	7935.19	7352.90	484.51	-7337.65	3233824.70	1693631.69	39°44'05.588"N	104°40'06.924"W	1.87	
15605.00	89.750	269.470	7935.60	7447.74	484.09	-7432.64	3233729.71	1693630.38	39°44'05.584"N	104°40'08.140"W	0.59	
15699.00	89.660	269.340	7936.09	7541.56	483.12	-7526.64	3233635.73	1693628.52	39°44'05.574"N	104°40'09.343"W	0.17	
15794.00	89.660	270.760	7936.65	7636.43	483.20	-7621.63	3233540.74	1693627.70	39°44'05.574"N	104°40'10.559"W	1.49	
15888.00	89.690	271.550	7937.19	7730.38	485.10	-7715.61	3233446.74	1693628.71	39°44'05.593"N	104°40'11.762"W	0.84	
15982.00	89.630	272.910	7937.74	7824.37	488.75	-7809.54	3233352.79	1693631.48	39°44'05.628"N	104°40'12.964"W	1.45	
16077.00	89.780	273.500	7938.23	7919.37	494.06	-7904.39	3233257.89	1693635.90	39°44'05.681"N	104°40'14.178"W	0.64	
16172.00	89.480	274.430	7938.85	8014.35	500.63	-7999.16	3233163.07	1693641.57	39°44'05.745"N	104°40'15.391"W	1.03	
16266.00	89.630	272.990	7939.58	8108.34	506.71	-8092.95	3233069.22	1693646.77	39°44'05.805"N	104°40'16.592"W	1.54	
16360.00	89.690	272.030	7940.13	8202.33	510.83	-8186.86	3232975.28	1693650.00	39°44'05.845"N	104°40'17.794"W	1.02	
16455.00	89.570	271.470	7940.75	8297.31	513.73	-8281.81	3232880.30	1693652.00	39°44'05.874"N	104°40'19.010"W	0.60	
16549.00	89.630	273.860	7941.40	8391.30	518.10	-8375.70	3232786.37	1693655.48	39°44'05.917"N	104°40'20.211"W	2.54	
16644.00	89.630	273.680	7942.02	8486.29	524.35	-8470.50	3232691.53	1693660.84	39°44'05.978"N	104°40'21.425"W	0.19	
16739.00	89.780	272.780	7942.51	8581.29	529.70	-8565.34	3232596.63	1693665.29	39°44'06.031"N	104°40'22.639"W	0.96	
16833.00	89.600	271.100	7943.01	8675.27	532.88	-8659.28	3232502.67	1693667.59	39°44'06.062"N	104°40'23.841"W	1.80	
16928.00	89.630	268.300	7943.65	8770.10	532.39	-8754.27	3232407.69	1693666.19	39°44'06.057"N	104°40'25.057"W	2.95	
17022.00	89.630	266.330	7944.26	8863.63	527.98	-8848.16	3232313.85	1693660.90	39°44'06.013"N	104°40'26.259"W	2.10	
17116.00	89.690	265.740	7944.82	8956.94	521.48	-8941.93	3232220.14	1693653.52	39°44'05.948"N	104°40'27.459"W	0.63	
17210.00	89.600	266.700	7945.40	9050.29	515.29	-9035.73	3232126.41	1693646.44	39°44'05.887"N	104°40'28.660"W	1.03	
17305.00	89.630	269.200	7946.04	9144.92	511.89	-9130.66	3232031.52	1693642.14	39°44'05.853"N	104°40'29.875"W	2.63	
17398.00	89.690	266.850	7946.59	9237.56	508.68	-9223.59	3231938.62	1693638.06	39°44'05.821"N	104°40'31.065"W	2.53	
17493.00	89.570	265.800	7947.20	9331.92	502.59	-9318.39	3231843.88	1693631.08	39°44'05.760"N	104°40'32.278"W	1.11	
17587.00	89.600	268.050	7947.89	9425.39	497.55	-9412.25	3231750.07	1693625.15	39°44'05.710"N	104°40'33.479"W	2.39	
17681.00	89.690	270.830	7948.47	9519.20	496.63	-9506.23	3231656.10	1693623.35	39°44'05.701"N	104°40'34.682"W	2.96	
17776.00	89.690	272.560	7948.98	9614.17	499.44	-9601.19	3231561.13	1693625.26	39°44'05.728"N	104°40'35.898"W	1.82	
17870.00	89.600	275.910	7949.56	9708.13	506.38	-9694.92	3231467.34	1693631.31	39°44'05.796"N	104°40'37.098"W	3.57	
17891.00	89.600	276.450	7949.71	9729.10	508.65	-9715.79	3231446.44	1693633.38	39°44'05.819"N	104°40'37.365"W	2.57	LAST BHGE MWD SURVEY
17915.00	89.600	276.450	7949.88	9753.05	511.34	-9739.64	3231422.57	1693635.85	39°44'05.845"N	104°40'37.670"W	0.00	PROJECTION TO BIT

HOLE & CASING SECTIONS - Ref Wellbore: PROPERTY RESERVE #4-65 3-4 2BH AWP Ref Wellpath: PROPERTY RESERVE #4-65 3-4 2BH 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]
9.625in Casing Surface	25.00	2195.00	2170.00	25.00	2194.96	0.00	0.00	-2.63	-11.33
8.75in Open Hole	2195.00	17915.00	15720.00	2194.96	7949.88	-2.63	-11.33	511.34	-9739.64
5.5in Casing Production	25.00	17915.00	17890.00	25.00	7949.88	0.00	0.00	511.34	-9739.64



Actual Wellpath Report

PROPERTY RESERVE #4-65 3-4 2BH AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BURLINGTON RESOURCES	Slot	SLOT#03 PROPERTY RESERVE #4-65 3-4 2BH (2308'FNL & 505'FEL, SEC.03)
Area	COLORADO	Well	PROPERTY RESERVE #4-65 3-4 2BH
Field	ARAPAHOE COUNTY (NAD83/TN)	Wellbore	PROPERTY RESERVE #4-65 3-4 2BH AWB
Facility	SEC.03-T04S-R65W		

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
SEC.03-T04S-R65W	0.00	0.00	80.47	3241247.02	1693217.22	39°44'00.810"N	104°38'31.970"W	polygon
SEC.04-T04S-R65W	0.00	0.00	80.47	3241247.02	1693217.22	39°44'00.810"N	104°38'31.970"W	polygon
PROPERTY RESERVE #4-65 3-4 2BH LP ON PLAT REV-1 (1848'FNL & 613'FEL, SEC.03)	7840.00	460.40	-106.25	3241055.96	1693675.84	39°44'05.360"N	104°38'34.360"W	point
PROPERTY RESERVE #4-65 3-4 2BH BHL ON PLAT REV-1 (1848'FNL & 325'FWL, SEC.04)	7945.00	505.76	-9743.54	3231418.72	1693630.24	39°44'05.790"N	104°40'37.720"W	point
SEC.04-T04S-R65W HARDLINE (325'FWL)	7952.00	0.00	80.47	3241247.02	1693217.22	39°44'00.810"N	104°38'31.970"W	polygon

WELLPATH COMPOSITION - Ref Wellbore: PROPERTY RESERVE #4-65 3-4 2BH AWB					Ref Wellpath: PROPERTY RESERVE #4-65 3-4 2BH AWP	
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment		Wellbore	
25.00	2170.00	Gyrodata standard - Drop gyro or Multi-shot	GYRODATA SURFACE SURVEYS PROVIDED BY COP <66 - 2170>		PROPERTY RESERVE #4-65 3-4 2BH AWP	
2170.00	17891.00	BHI AutoTrak Curve (IFR1, Short)	BHGE AUTOTRAK CURVE (IFR1, SHORT) MONOBORE <2170 - 17891>		PROPERTY RESERVE #4-65 3-4 2BH AWP	
17891.00	17915.00	Blind Drilling (std)	Projection to bit		PROPERTY RESERVE #4-65 3-4 2BH AWP	



Actual Wellpath Report

PROPERTY RESERVE #4-65 3-4 2BH AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BURLINGTON RESOURCES	Slot	SLOT#03 PROPERTY RESERVE #4-65 3-4 2BH (2308'FNL & 505'FEL, SEC.03)
Area	COLORADO	Well	PROPERTY RESERVE #4-65 3-4 2BH
Field	ARAPAHOE COUNTY (NAD83/TN)	Wellbore	PROPERTY RESERVE #4-65 3-4 2BH AWP
Facility	SEC.03-T04S-R65W		

WELLPATH COMMENTS				
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
2170.00	0.560	247.180	2169.96	TIE ON SURVEY
2256.00	0.060	84.520	2255.96	FIRST BHGE MWD SURVEY
17891.00	89.600	276.450	7949.71	LAST BHGE MWD SURVEY
17915.00	89.600	276.450	7949.88	PROJECTION TO BIT