

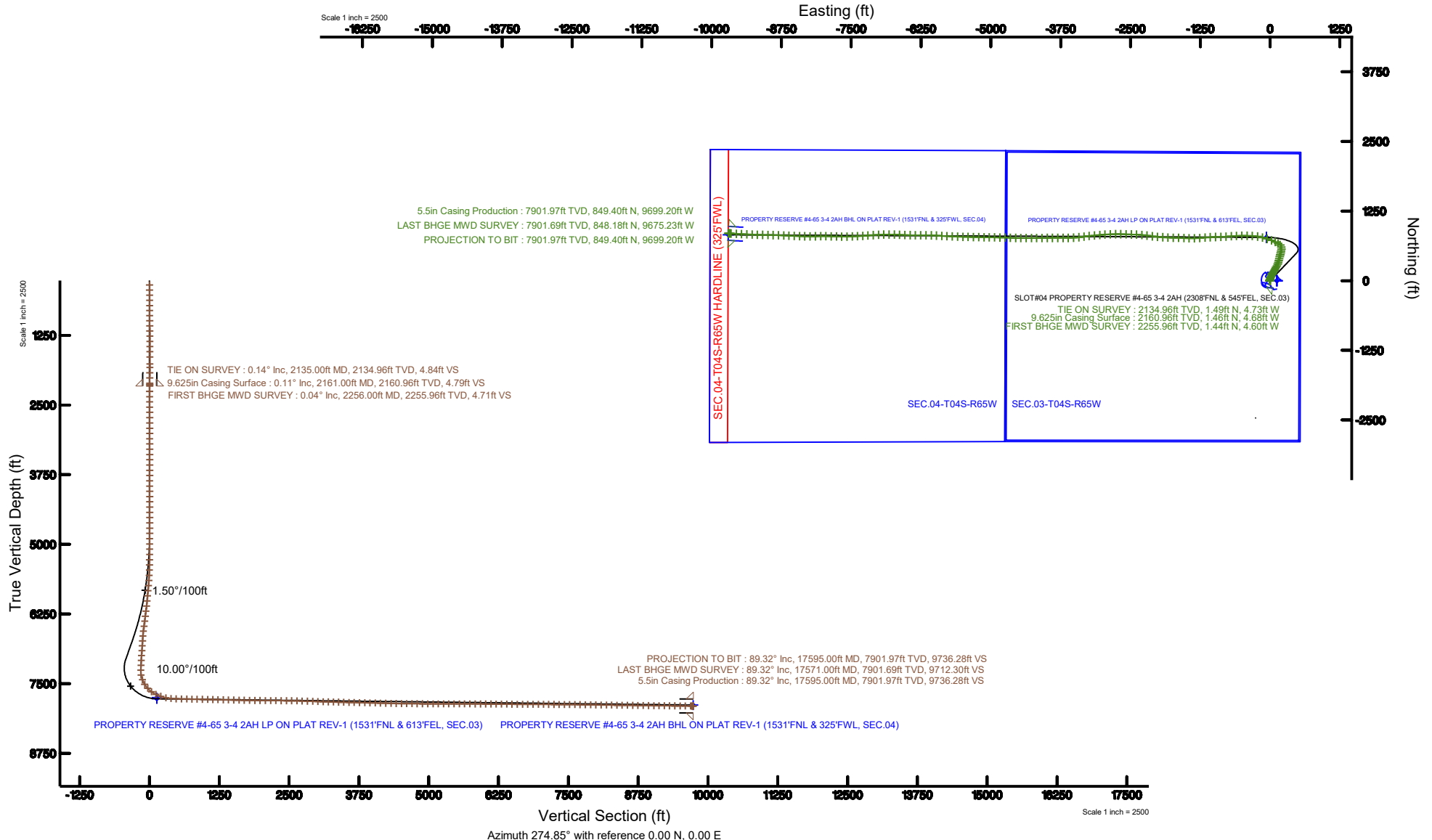
# BURLINGTON RESOURCES

Location: COLORADO Slot: SLOT#04 PROPERTY RESERVE #4-65 3-4 2AH (2308°FNL & 545°FEL, SEC.03)  
Field: ARAPAHOE COUNTY (NAD83/TN) Well: PROPERTY RESERVE #4-65 3-4 2AH  
Facility: SEC.03-T04S-R65W Wellbore: PROPERTY RESERVE #4-65 3-4 2AH PWB

Plot reference wellpath is PROPERTY RESERVE #4-65 3-4 2AH (REV-D.0) PWP	Grid System: NAD83 / Lambert Colorado SP, Central Zone (502), US feet
True vertical depths are referenced to NABORS B16 (25YKB) (RKB)	North Reference: True north
Measured depths are referenced to NABORS B16 (25YKB) (RKB)	Scale: True distance
NABORS B16 (25YKB) (RKB) to Mean Sea Level: 5637 feet	Depths are in feet
Mean Sea Level to Mud line (At Slot: SLOT#04 PROPERTY RESERVE #4-65 3-4 2AH (2308°FNL & 545°FEL, SEC.03)): 0 feet	Created by: komeraf on 2019-02-20
Coordinates are in feet referenced to Slot	Database: WA DENVER



## BURLINGTON RESOURCES





# Actual Wellpath Report

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

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## REFERENCE WELLPATH IDENTIFICATION

Operator	BURLINGTON RESOURCES	Slot	SLOT#04 PROPERTY RESERVE #4-65 3-4 2AH (2308'FNL & 545'FEL, SEC.03)
Area	COLORADO	Well	PROPERTY RESERVE #4-65 3-4 2AH
Field	ARAPAHOE COUNTY (NAD83/TN)	Wellbore	PROPERTY RESERVE #4-65 3-4 2AH AWP
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	Komerat
Scale	0.999997	Report Generated	2/20/2019 at 10:08:38 AM
Convergence at slot	0.54° East	Database/Source file	WA DENVER/PROPERTY_RESERVE_#4-65_3-4_2AH_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	-120.31	3241126.71	1693216.09	39°44'00.810"N	104°38'33.510"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#04 PROPERTY RESERVE #4-65 3-4 2AH (2308'FNL & 545'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	274.85°



# Actual Wellpath Report

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

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BURLINGTON RESOURCES	Slot	SLOT#04 PROPERTY RESERVE #4-65 3-4 2AH (2308'FNL & 545'FEL, SEC.03)
Area	COLORADO	Well	PROPERTY RESERVE #4-65 3-4 2AH
Field	ARAPAHOE COUNTY (NAD83/TN)	Wellbore	PROPERTY RESERVE #4-65 3-4 2AH AWB
Facility	SEC.03-T04S-R65W		

WELLPATH DATA (166 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
2135.00	0.140	130.400	2134.96	4.84	1.49	-4.73	3241121.97	1693217.54	39°44'00.825"N	104°38'33.571"W	0.31	TIE ON SURVEY
2256.00	0.040	16.720	2255.96	4.71	1.44	-4.60	3241122.09	1693217.48	39°44'00.824"N	104°38'33.569"W	0.13	FIRST BHGE MWD SURVEY
2350.00	0.000	98.260	2349.96	4.70	1.47	-4.59	3241122.10	1693217.51	39°44'00.825"N	104°38'33.569"W	0.04	
2445.00	0.040	122.240	2444.96	4.67	1.45	-4.57	3241122.13	1693217.50	39°44'00.824"N	104°38'33.568"W	0.04	
2539.00	0.090	286.410	2538.96	4.72	1.46	-4.61	3241122.09	1693217.50	39°44'00.824"N	104°38'33.569"W	0.14	
2633.00	0.040	346.010	2632.96	4.80	1.51	-4.69	3241122.01	1693217.55	39°44'00.825"N	104°38'33.570"W	0.08	
2728.00	0.030	185.180	2727.96	4.81	1.52	-4.70	3241122.00	1693217.56	39°44'00.825"N	104°38'33.570"W	0.07	
2822.00	0.030	87.240	2821.96	4.78	1.49	-4.68	3241122.02	1693217.54	39°44'00.825"N	104°38'33.570"W	0.05	
2917.00	0.070	215.700	2916.96	4.79	1.45	-4.68	3241122.01	1693217.49	39°44'00.824"N	104°38'33.570"W	0.10	
3011.00	0.040	98.220	3010.96	4.79	1.39	-4.69	3241122.01	1693217.44	39°44'00.824"N	104°38'33.570"W	0.10	
3105.00	0.070	23.330	3104.96	4.74	1.44	-4.63	3241122.07	1693217.49	39°44'00.824"N	104°38'33.569"W	0.08	
3200.00	0.220	319.730	3199.96	4.85	1.64	-4.73	3241121.97	1693217.68	39°44'00.826"N	104°38'33.570"W	0.21	
3294.00	0.030	222.360	3293.96	4.99	1.75	-4.86	3241121.83	1693217.80	39°44'00.827"N	104°38'33.572"W	0.24	
3388.00	0.070	90.870	3387.96	4.95	1.74	-4.82	3241121.88	1693217.78	39°44'00.827"N	104°38'33.572"W	0.10	
3483.00	0.060	330.750	3482.96	4.92	1.78	-4.78	3241121.91	1693217.82	39°44'00.828"N	104°38'33.571"W	0.12	
3577.00	0.040	239.490	3576.96	4.97	1.80	-4.84	3241121.86	1693217.85	39°44'00.828"N	104°38'33.572"W	0.08	
3672.00	0.130	150.710	3671.96	4.94	1.69	-4.81	3241121.88	1693217.74	39°44'00.827"N	104°38'33.572"W	0.14	
3766.00	0.220	156.440	3765.96	4.79	1.44	-4.69	3241122.01	1693217.48	39°44'00.824"N	104°38'33.570"W	0.10	
3860.00	0.280	184.870	3859.96	4.71	1.04	-4.63	3241122.06	1693217.09	39°44'00.820"N	104°38'33.569"W	0.14	
3955.00	0.070	240.740	3954.96	4.75	0.78	-4.71	3241122.00	1693216.83	39°44'00.818"N	104°38'33.570"W	0.26	
4049.00	0.030	187.080	4048.96	4.80	0.73	-4.76	3241121.94	1693216.77	39°44'00.817"N	104°38'33.571"W	0.06	
4144.00	0.040	207.570	4143.96	4.82	0.67	-4.78	3241121.93	1693216.72	39°44'00.817"N	104°38'33.571"W	0.02	
4238.00	0.000	98.260	4237.96	4.83	0.65	-4.79	3241121.91	1693216.69	39°44'00.816"N	104°38'33.571"W	0.04	
4333.00	0.100	285.760	4332.96	4.91	0.67	-4.87	3241121.83	1693216.71	39°44'00.817"N	104°38'33.572"W	0.11	
4427.00	0.070	145.820	4426.96	4.96	0.64	-4.92	3241121.78	1693216.68	39°44'00.816"N	104°38'33.573"W	0.17	
4521.00	0.060	122.260	4520.96	4.88	0.57	-4.84	3241121.86	1693216.61	39°44'00.816"N	104°38'33.572"W	0.03	
4616.00	0.030	180.010	4615.96	4.83	0.52	-4.80	3241121.90	1693216.56	39°44'00.815"N	104°38'33.571"W	0.05	
4710.00	0.000	98.260	4709.96	4.83	0.49	-4.80	3241121.90	1693216.54	39°44'00.815"N	104°38'33.571"W	0.03	
4805.00	0.280	19.780	4804.96	4.77	0.71	-4.72	3241121.98	1693216.76	39°44'00.817"N	104°38'33.570"W	0.29	
4899.00	0.210	24.200	4898.96	4.65	1.08	-4.58	3241122.12	1693217.13	39°44'00.821"N	104°38'33.569"W	0.08	
4993.00	1.870	11.580	4992.94	4.41	2.74	-4.20	3241122.49	1693218.79	39°44'00.837"N	104°38'33.564"W	1.77	
5088.00	3.070	16.400	5087.85	3.72	6.70	-3.17	3241123.48	1693222.76	39°44'00.876"N	104°38'33.551"W	1.28	
5182.00	3.180	16.560	5181.71	2.69	11.62	-1.71	3241124.89	1693227.69	39°44'00.925"N	104°38'33.532"W	0.12	
5277.00	4.560	10.800	5276.49	1.76	17.85	-0.26	3241126.29	1693233.94	39°44'00.986"N	104°38'33.513"W	1.51	
5371.00	7.430	10.310	5369.97	0.80	27.51	1.53	3241127.98	1693243.61	39°44'01.082"N	104°38'33.490"W	3.05	
5465.00	10.110	12.110	5462.86	-0.83	41.55	4.35	3241130.67	1693257.68	39°44'01.221"N	104°38'33.454"W	2.87	
5560.00	12.070	18.970	5556.09	-4.31	59.10	9.33	3241135.48	1693275.28	39°44'01.394"N	104°38'33.391"W	2.48	
5654.00	12.950	23.620	5647.86	-10.09	78.05	16.75	3241142.72	1693294.29	39°44'01.581"N	104°38'33.296"W	1.42	
5748.00	13.050	25.830	5739.45	-17.28	97.25	25.59	3241151.38	1693313.58	39°44'01.771"N	104°38'33.182"W	0.54	
5843.00	11.940	29.270	5832.20	-25.19	115.48	35.07	3241160.69	1693331.89	39°44'01.951"N	104°38'33.061"W	1.41	
5937.00	12.120	30.750	5924.13	-33.52	132.44	44.87	3241170.33	1693348.95	39°44'02.119"N	104°38'32.936"W	0.38	
6031.00	13.140	30.810	6015.86	-42.51	150.10	55.39	3241180.68	1693366.70	39°44'02.293"N	104°38'32.801"W	1.09	
6126.00	14.150	30.730	6108.18	-52.31	169.35	66.85	3241191.96	1693386.07	39°44'02.484"N	104°38'32.654"W	1.06	
6221.00	16.110	29.370	6199.88	-62.85	190.82	79.25	3241204.15	1693407.65	39°44'02.696"N	104°38'32.496"W	2.10	
6315.00	17.230	28.340	6289.93	-73.81	214.44	92.26	3241216.94	1693431.39	39°44'02.929"N	104°38'32.329"W	1.23	



# Actual Wellpath Report

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

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BURLINGTON RESOURCES	Slot	SLOT#04 PROPERTY RESERVE #4-65 3-4 2AH (2308'FNL & 545'FEL, SEC.03)
Area	COLORADO	Well	PROPERTY RESERVE #4-65 3-4 2AH
Field	ARAPAHOE COUNTY (NAD83/TN)	Wellbore	PROPERTY RESERVE #4-65 3-4 2AH AWB
Facility	SEC.03-T04S-R65W		

WELLPATH DATA (166 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	18.280	27.340	6379.45	-85.00	239.79	105.64	3241230.08	1693456.87	39°44'03.180"N	104°38'32.158"W	1.16	
6503.00	20.010	28.420	6468.25	-97.08	267.04	120.06	3241244.24	1693484.24	39°44'03.449"N	104°38'31.973"W	1.88	
6598.00	21.540	23.960	6557.07	-109.29	297.27	134.88	3241258.78	1693514.62	39°44'03.748"N	104°38'31.783"W	2.32	
6692.00	21.080	14.580	6644.67	-117.80	329.41	146.15	3241269.74	1693546.86	39°44'04.065"N	104°38'31.639"W	3.66	
6787.00	21.250	13.190	6733.26	-123.19	362.71	154.38	3241277.66	1693580.23	39°44'04.395"N	104°38'31.534"W	0.56	
6881.00	21.900	15.530	6820.68	-128.91	396.18	162.96	3241285.92	1693613.79	39°44'04.725"N	104°38'31.424"W	1.15	
6976.00	21.460	15.750	6908.96	-135.48	429.98	172.42	3241295.06	1693647.67	39°44'05.059"N	104°38'31.303"W	0.47	
7070.00	21.600	13.950	6996.40	-141.47	463.32	181.26	3241303.58	1693681.10	39°44'05.389"N	104°38'31.190"W	0.72	
7164.00	21.520	13.410	7083.82	-146.78	496.88	189.43	3241311.44	1693714.73	39°44'05.721"N	104°38'31.085"W	0.23	
7259.00	21.610	11.830	7172.17	-151.50	530.95	197.05	3241318.74	1693748.87	39°44'06.057"N	104°38'30.988"W	0.62	
7353.00	23.560	8.070	7258.97	-154.66	566.50	203.24	3241324.59	1693784.48	39°44'06.409"N	104°38'30.908"W	2.58	
7447.00	24.040	345.260	7345.16	-149.29	603.70	201.00	3241322.00	1693821.65	39°44'06.776"N	104°38'30.937"W	9.75	
7542.00	27.590	316.330	7431.00	-126.22	638.47	180.80	3241301.48	1693856.23	39°44'07.120"N	104°38'31.196"W	13.64	
7636.00	34.480	301.470	7511.61	-86.02	668.19	142.98	3241263.37	1693885.59	39°44'07.414"N	104°38'31.680"W	10.91	
7730.00	43.970	295.600	7584.38	-31.58	696.25	90.72	3241210.85	1693913.16	39°44'07.691"N	104°38'32.349"W	10.83	
7825.00	55.150	290.500	7645.92	37.04	724.25	24.23	3241144.10	1693940.53	39°44'07.968"N	104°38'33.200"W	12.45	
7920.00	65.480	287.160	7692.92	117.03	750.73	-53.81	3241065.82	1693966.27	39°44'08.229"N	104°38'34.199"W	11.29	
8013.00	70.830	284.530	7727.51	201.73	774.25	-136.82	3240982.59	1693989.01	39°44'08.462"N	104°38'35.261"W	6.32	
8108.00	77.850	278.490	7753.16	292.49	792.40	-226.37	3240892.88	1694006.32	39°44'08.641"N	104°38'36.408"W	9.59	
8202.00	84.390	272.790	7767.68	385.27	801.48	-318.70	3240800.46	1694014.52	39°44'08.731"N	104°38'37.590"W	9.18	
8296.00	89.660	271.630	7772.55	479.00	805.10	-412.47	3240706.66	1694017.25	39°44'08.767"N	104°38'38.790"W	5.74	
8391.00	88.800	269.640	7773.83	573.73	806.15	-507.45	3240611.67	1694017.41	39°44'08.777"N	104°38'40.006"W	2.28	
8485.00	88.830	267.700	7775.78	667.16	803.97	-601.40	3240517.75	1694014.34	39°44'08.755"N	104°38'41.208"W	2.06	
8580.00	88.710	264.920	7777.81	761.08	797.86	-696.17	3240423.04	1694007.33	39°44'08.695"N	104°38'42.421"W	2.93	
8674.00	88.770	266.770	7779.88	853.90	791.05	-789.90	3240329.38	1693999.64	39°44'08.628"N	104°38'43.621"W	1.97	
8768.00	88.890	268.750	7781.80	947.15	787.37	-883.80	3240235.52	1693995.08	39°44'08.591"N	104°38'44.823"W	2.11	
8863.00	88.740	267.600	7783.77	1041.49	784.35	-978.73	3240140.62	1693991.16	39°44'08.561"N	104°38'46.038"W	1.22	
8957.00	88.800	266.590	7785.78	1134.61	779.59	-1072.59	3240046.81	1693985.51	39°44'08.514"N	104°38'47.240"W	1.08	
9051.00	88.710	265.690	7787.83	1227.50	773.26	-1166.35	3239953.12	1693978.30	39°44'08.452"N	104°38'48.440"W	0.96	
9146.00	88.740	266.140	7789.94	1321.33	766.49	-1261.09	3239858.45	1693970.64	39°44'08.385"N	104°38'49.652"W	0.47	
9241.00	88.740	267.750	7792.03	1415.40	761.43	-1355.93	3239763.66	1693964.69	39°44'08.335"N	104°38'50.866"W	1.69	
9335.00	88.770	271.630	7794.07	1508.98	760.92	-1449.89	3239669.71	1693963.29	39°44'08.330"N	104°38'52.069"W	4.13	
9430.00	88.800	273.140	7796.09	1603.87	764.88	-1544.78	3239574.79	1693966.35	39°44'08.369"N	104°38'53.284"W	1.59	
9525.00	88.740	271.010	7798.13	1698.73	768.32	-1639.69	3239479.85	1693968.89	39°44'08.403"N	104°38'54.499"W	2.24	
9619.00	88.710	271.020	7800.22	1792.50	769.98	-1733.65	3239385.88	1693969.67	39°44'08.419"N	104°38'55.701"W	0.03	
9714.00	89.600	273.310	7801.62	1887.37	773.57	-1828.57	3239290.93	1693972.36	39°44'08.454"N	104°38'56.916"W	2.59	
9808.00	89.450	274.060	7802.40	1981.35	779.61	-1922.37	3239197.08	1693977.52	39°44'08.514"N	104°38'58.117"W	0.81	
9902.00	89.110	274.860	7803.58	2075.34	786.92	-2016.08	3239103.31	1693983.94	39°44'08.586"N	104°38'59.317"W	0.92	
9997.00	89.630	277.230	7804.62	2170.31	796.92	-2110.53	3239008.76	1693993.05	39°44'08.685"N	104°39'00.526"W	2.55	
10091.00	89.850	278.190	7805.05	2264.19	809.53	-2203.68	3238915.50	1694004.78	39°44'08.809"N	104°39'01.718"W	1.05	
10185.00	89.230	275.060	7805.81	2358.13	820.38	-2297.04	3238822.04	1694014.75	39°44'08.917"N	104°39'02.913"W	3.39	
10279.00	89.940	272.730	7806.49	2452.11	826.76	-2390.81	3238728.21	1694020.25	39°44'08.980"N	104°39'04.113"W	2.59	
10374.00	89.630	270.930	7806.84	2546.97	829.79	-2485.76	3238633.24	1694022.38	39°44'09.009"N	104°39'05.329"W	1.92	
10468.00	87.880	271.730	7808.89	2640.77	831.98	-2579.71	3238539.28	1694023.68	39°44'09.031"N	104°39'06.531"W	2.05	
10562.00	88.150	270.950	7812.14	2734.53	834.17	-2673.63	3238445.34	1694024.99	39°44'09.053"N	104°39'07.734"W	0.88	



# Actual Wellpath Report

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

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BURLINGTON RESOURCES	Slot	SLOT#04 PROPERTY RESERVE #4-65 3-4 2AH (2308'FNL & 545'FEL, SEC.03)
Area	COLORADO	Well	PROPERTY RESERVE #4-65 3-4 2AH
Field	ARAPAHOE COUNTY (NAD83/TN)	Wellbore	PROPERTY RESERVE #4-65 3-4 2AH AWB
Facility	SEC.03-T04S-R65W		

WELLPATH DATA (166 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	88.210	269.010	7815.16	2829.14	834.14	-2768.57	3238350.40	1694024.06	39°44'09.052"N	104°39'08.949"W	2.04	
10751.00	88.400	267.860	7817.94	2922.51	831.57	-2862.50	3238256.51	1694020.61	39°44'09.027"N	104°39'10.151"W	1.24	
10846.00	88.120	266.500	7820.82	3016.61	826.90	-2957.33	3238161.72	1694015.04	39°44'08.980"N	104°39'11.365"W	1.46	
10940.00	88.090	265.540	7823.93	3109.45	820.38	-3051.06	3238068.06	1694007.63	39°44'08.916"N	104°39'12.565"W	1.02	
11035.00	88.340	264.250	7826.89	3202.97	811.93	-3145.63	3237973.57	1693998.29	39°44'08.832"N	104°39'13.775"W	1.38	
11129.00	88.550	263.380	7829.44	3295.20	801.81	-3239.05	3237880.26	1693987.29	39°44'08.732"N	104°39'14.971"W	0.95	
11223.00	88.580	262.630	7831.80	3387.17	790.36	-3332.32	3237787.10	1693974.96	39°44'08.619"N	104°39'16.165"W	0.80	
11317.00	88.610	263.930	7834.10	3479.23	779.37	-3425.64	3237693.88	1693963.09	39°44'08.510"N	104°39'17.360"W	1.38	
11412.00	88.620	266.430	7836.40	3572.85	771.39	-3520.27	3237599.33	1693954.22	39°44'08.431"N	104°39'18.571"W	2.63	
11506.00	88.740	269.260	7838.56	3666.11	767.86	-3614.17	3237505.47	1693949.80	39°44'08.396"N	104°39'19.773"W	3.01	
11601.00	88.830	270.120	7840.58	3760.71	767.34	-3709.15	3237410.51	1693948.39	39°44'08.391"N	104°39'20.989"W	0.91	
11695.00	88.710	269.990	7842.60	3854.36	767.43	-3803.12	3237316.53	1693947.59	39°44'08.392"N	104°39'22.192"W	0.19	
11789.00	88.650	270.010	7844.76	3948.00	767.43	-3897.10	3237222.56	1693946.70	39°44'08.391"N	104°39'23.394"W	0.07	
11884.00	88.520	269.250	7847.11	4042.57	766.82	-3992.07	3237127.60	1693945.19	39°44'08.385"N	104°39'24.610"W	0.81	
11978.00	88.550	269.730	7849.51	4136.13	765.98	-4086.03	3237033.65	1693943.47	39°44'08.377"N	104°39'25.813"W	0.51	
12073.00	88.800	269.970	7851.71	4230.75	765.73	-4181.01	3236938.68	1693942.33	39°44'08.374"N	104°39'27.029"W	0.36	
12167.00	88.620	269.380	7853.82	4324.34	765.20	-4274.98	3236844.72	1693940.91	39°44'08.369"N	104°39'28.232"W	0.66	
12261.00	88.680	269.290	7856.04	4417.88	764.11	-4368.95	3236750.77	1693938.93	39°44'08.358"N	104°39'29.434"W	0.12	
12355.00	89.050	270.780	7857.90	4511.53	764.17	-4462.93	3236656.79	1693938.10	39°44'08.358"N	104°39'30.637"W	1.63	
12450.00	89.690	272.890	7858.95	4606.38	767.21	-4557.87	3236561.83	1693940.24	39°44'08.388"N	104°39'31.853"W	2.32	
12544.00	89.850	271.420	7859.32	4700.28	770.74	-4651.80	3236467.87	1693942.89	39°44'08.423"N	104°39'33.055"W	1.57	
12638.00	89.320	271.260	7860.00	4794.10	772.94	-4745.77	3236373.88	1693944.20	39°44'08.444"N	104°39'34.258"W	0.59	
12733.00	89.780	271.050	7860.75	4888.90	774.86	-4840.75	3236278.89	1693945.22	39°44'08.463"N	104°39'35.474"W	0.53	
12827.00	89.690	271.230	7861.19	4982.70	776.73	-4934.73	3236184.90	1693946.21	39°44'08.482"N	104°39'36.677"W	0.21	
12922.00	89.880	270.300	7861.54	5077.46	777.99	-5029.72	3236089.90	1693946.58	39°44'08.494"N	104°39'37.892"W	1.00	
13016.00	89.780	271.030	7861.82	5171.21	779.09	-5123.71	3235995.90	1693946.78	39°44'08.504"N	104°39'39.096"W	0.78	
13110.00	89.850	270.950	7862.12	5264.99	780.71	-5217.70	3235901.91	1693947.52	39°44'08.520"N	104°39'40.299"W	0.11	
13205.00	89.910	271.410	7862.32	5359.80	782.67	-5312.67	3235806.91	1693948.58	39°44'08.539"N	104°39'41.514"W	0.49	
13300.00	89.720	271.310	7862.63	5454.62	784.92	-5407.65	3235711.92	1693949.94	39°44'08.562"N	104°39'42.730"W	0.23	
13394.00	89.850	271.660	7862.98	5548.46	787.36	-5501.61	3235617.94	1693951.49	39°44'08.585"N	104°39'43.933"W	0.40	
13488.00	89.720	272.090	7863.34	5642.33	790.43	-5595.56	3235523.96	1693953.67	39°44'08.616"N	104°39'45.136"W	0.48	
13584.00	89.750	272.720	7863.78	5738.24	794.46	-5691.48	3235428.02	1693956.80	39°44'08.655"N	104°39'46.363"W	0.66	
13678.00	89.820	272.770	7864.13	5832.18	798.96	-5785.37	3235334.09	1693960.41	39°44'08.699"N	104°39'47.565"W	0.09	
13772.00	89.750	273.260	7864.48	5926.13	803.91	-5879.24	3235240.18	1693964.47	39°44'08.748"N	104°39'48.767"W	0.53	
13866.00	89.910	273.070	7864.76	6020.09	809.10	-5973.09	3235146.28	1693968.77	39°44'08.799"N	104°39'49.968"W	0.26	
13960.00	89.630	272.200	7865.14	6114.02	813.42	-6066.99	3235052.34	1693972.21	39°44'08.842"N	104°39'51.170"W	0.97	
14055.00	89.450	270.990	7865.90	6208.86	816.06	-6161.95	3234957.36	1693973.96	39°44'08.868"N	104°39'52.386"W	1.29	
14150.00	89.510	269.550	7866.77	6303.55	816.51	-6256.94	3234862.37	1693973.51	39°44'08.872"N	104°39'53.602"W	1.52	
14245.00	89.320	269.980	7867.74	6398.17	816.12	-6351.94	3234767.39	1693972.22	39°44'08.868"N	104°39'54.818"W	0.49	
14339.00	89.420	270.840	7868.77	6491.89	816.79	-6445.93	3234673.39	1693972.01	39°44'08.874"N	104°39'56.021"W	0.92	
14433.00	89.690	271.940	7869.50	6585.71	819.07	-6539.90	3234579.41	1693973.40	39°44'08.896"N	104°39'57.224"W	1.20	
14528.00	89.690	272.730	7870.01	6680.62	822.94	-6634.82	3234484.46	1693976.38	39°44'08.934"N	104°39'58.439"W	0.83	
14622.00	89.660	271.790	7870.55	6774.52	826.65	-6728.74	3234390.50	1693979.20	39°44'08.971"N	104°39'59.641"W	1.00	
14716.00	89.850	269.910	7870.95	6868.29	828.04	-6822.72	3234296.51	1693979.70	39°44'08.984"N	104°40'00.844"W	2.01	
14811.00	89.570	268.570	7871.43	6962.83	826.78	-6917.71	3234201.54	1693977.55	39°44'08.972"N	104°40'02.060"W	1.44	



# Actual Wellpath Report

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

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BURLINGTON RESOURCES	Slot	SLOT#04 PROPERTY RESERVE #4-65 3-4 2AH (2308'FNL & 545'FEL, SEC.03)
Area	COLORADO	Well	PROPERTY RESERVE #4-65 3-4 2AH
Field	ARAPAHOE COUNTY (NAD83/TN)	Wellbore	PROPERTY RESERVE #4-65 3-4 2AH AWB
Facility	SEC.03-T04S-R65W		

WELLPATH DATA (166 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
14905.00	89.600	267.020	7872.11	7056.11	823.17	-7011.64	3234107.65	1693973.04	39°44'08.936"N	104°40'03.262"W	1.65	
14999.00	89.630	265.890	7872.74	7149.10	817.36	-7105.45	3234013.89	1693966.35	39°44'08.878"N	104°40'04.463"W	1.20	
15094.00	89.600	265.780	7873.38	7242.93	810.46	-7200.20	3233919.22	1693958.55	39°44'08.810"N	104°40'05.676"W	0.12	
15188.00	89.750	266.140	7873.91	7335.80	803.83	-7293.97	3233825.52	1693951.05	39°44'08.744"N	104°40'06.876"W	0.41	
15282.00	89.630	266.640	7874.42	7428.77	797.92	-7387.78	3233731.77	1693944.24	39°44'08.685"N	104°40'08.077"W	0.55	
15377.00	89.660	267.980	7875.01	7522.95	793.46	-7482.67	3233636.92	1693938.89	39°44'08.641"N	104°40'09.291"W	1.41	
15471.00	89.170	269.500	7875.97	7616.41	791.39	-7576.64	3233542.98	1693935.94	39°44'08.620"N	104°40'10.494"W	1.70	
15565.00	89.050	270.470	7877.43	7710.06	791.37	-7670.63	3233449.00	1693935.02	39°44'08.620"N	104°40'11.697"W	1.04	
15660.00	89.170	271.530	7878.91	7804.83	793.02	-7765.60	3233354.01	1693935.79	39°44'08.636"N	104°40'12.913"W	1.12	
15754.00	89.290	271.890	7880.17	7898.68	795.83	-7859.55	3233260.04	1693937.70	39°44'08.663"N	104°40'14.116"W	0.40	
15849.00	89.350	270.220	7881.30	7993.46	797.58	-7954.52	3233165.06	1693938.56	39°44'08.680"N	104°40'15.331"W	1.76	
15943.00	89.230	269.290	7882.46	8087.08	797.17	-8048.51	3233071.07	1693937.27	39°44'08.676"N	104°40'16.534"W	1.00	
16038.00	89.260	269.290	7883.71	8181.63	796.00	-8143.50	3232976.10	1693935.19	39°44'08.664"N	104°40'17.750"W	0.03	
16132.00	89.350	269.660	7884.85	8275.21	795.14	-8237.49	3232882.13	1693933.45	39°44'08.655"N	104°40'18.953"W	0.41	
16227.00	89.170	271.310	7886.08	8369.92	795.94	-8332.47	3232787.14	1693933.35	39°44'08.663"N	104°40'20.169"W	1.75	
16321.00	89.230	271.670	7887.39	8463.75	798.38	-8426.43	3232693.16	1693934.91	39°44'08.687"N	104°40'21.372"W	0.39	
16416.00	89.420	272.730	7888.51	8558.64	802.03	-8521.35	3232598.21	1693937.66	39°44'08.722"N	104°40'22.587"W	1.13	
16510.00	89.260	273.400	7889.60	8652.59	807.06	-8615.21	3232504.31	1693941.80	39°44'08.772"N	104°40'23.788"W	0.73	
16604.00	89.230	271.760	7890.83	8746.51	811.29	-8709.10	3232410.38	1693945.15	39°44'08.813"N	104°40'24.990"W	1.74	
16699.00	89.320	271.880	7892.04	8841.37	814.30	-8804.05	3232315.41	1693947.27	39°44'08.843"N	104°40'26.206"W	0.16	
16794.00	89.230	272.230	7893.24	8936.25	817.71	-8898.98	3232220.45	1693949.78	39°44'08.876"N	104°40'27.421"W	0.38	
16888.00	89.290	270.090	7894.45	9030.04	819.61	-8992.95	3232126.47	1693950.79	39°44'08.894"N	104°40'28.624"W	2.28	
16982.00	89.350	271.560	7895.57	9123.80	820.97	-9086.93	3232032.48	1693951.26	39°44'08.907"N	104°40'29.827"W	1.57	
17077.00	89.350	271.960	7896.65	9218.66	823.88	-9181.88	3231937.51	1693953.28	39°44'08.936"N	104°40'31.042"W	0.42	
17171.00	89.420	272.330	7897.65	9312.55	827.40	-9275.81	3231843.56	1693955.91	39°44'08.970"N	104°40'32.244"W	0.40	
17265.00	89.480	272.720	7898.56	9406.46	831.54	-9369.71	3231749.62	1693959.17	39°44'09.011"N	104°40'33.446"W	0.42	
17359.00	89.350	272.450	7899.52	9500.39	835.78	-9463.61	3231655.68	1693962.52	39°44'09.053"N	104°40'34.648"W	0.32	
17453.00	89.570	273.870	7900.40	9594.34	840.96	-9557.46	3231561.79	1693966.81	39°44'09.103"N	104°40'35.850"W	1.53	
17548.00	89.230	273.330	7901.40	9689.31	846.93	-9652.27	3231466.93	1693971.88	39°44'09.162"N	104°40'37.063"W	0.67	
17571.00	89.320	272.910	7901.69	9712.30	848.18	-9675.23	3231443.95	1693972.92	39°44'09.174"N	104°40'37.357"W	1.87	LAST BHGE MWD SURVEY
17595.00	89.320	272.910	7901.97	9736.28	849.40	-9699.20	3231419.98	1693973.91	39°44'09.186"N	104°40'37.664"W	0.00	PROJECTION TO BIT

HOLE & CASING SECTIONS - Ref Wellbore: PROPERTY RESERVE #4-65 3-4 2AH AWB Ref Wellpath: PROPERTY RESERVE #4-65 3-4 2AH 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	2161.00	2136.00	25.00	2160.96	0.00	0.00	1.46	-4.68
8.75in Open Hole	2161.00	17595.00	15434.00	2160.96	7901.97	1.46	-4.68	849.40	-9699.20
5.5in Casing Production	25.00	17595.00	17570.00	25.00	7901.97	0.00	0.00	849.40	-9699.20



# Actual Wellpath Report

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

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## REFERENCE WELLPATH IDENTIFICATION

Operator	BURLINGTON RESOURCES	Slot	SLOT#04 PROPERTY RESERVE #4-65 3-4 2AH (2308'FNL & 545'FEL, SEC.03)
Area	COLORADO	Well	PROPERTY RESERVE #4-65 3-4 2AH
Field	ARAPAHOE COUNTY (NAD83/TN)	Wellbore	PROPERTY RESERVE #4-65 3-4 2AH 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	120.31	3241247.02	1693217.22	39°44'00.810"N	104°38'31.970"W	polygon
SEC.04-T04S-R65W	0.00	0.00	120.31	3241247.02	1693217.22	39°44'00.810"N	104°38'31.970"W	polygon
PROPERTY RESERVE #4-65 3-4 2AH LP ON PLAT REV-1 (1531'FNL & 613'FEL, SEC.03)	7752.00	777.11	-65.62	3241053.76	1693992.54	39°44'08.490"N	104°38'34.350"W	point
PROPERTY RESERVE #4-65 3-4 2AH LP ON PLAT REV-2 (1531'FNL & 613'FEL, SEC.03)	7772.00	777.11	-65.62	3241053.76	1693992.54	39°44'08.490"N	104°38'34.350"W	point
PROPERTY RESERVE #4-65 3-4 2AH BHL ON PLAT REV-1 (1531'FNL & 325'FWL, SEC.04)	7884.00	822.46	-9702.01	3231417.42	1693946.95	39°44'08.920"N	104°40'37.700"W	point
SEC.04-T04S-R65W HARDLINE (325'FWL)	7952.00	0.00	120.31	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 2AH AWB Ref Wellpath: PROPERTY RESERVE #4-65 3-4 2AH AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	2135.00	Gyrodata relative depth - Drop gyro or Multi-shot	GYRODATA SURFACE SURVEYS PROVIDED BY COP <25 - 2135>	PROPERTY RESERVE #4-65 3-4 2AH AWB
2135.00	17571.00	BHI AutoTrak Curve (IFR1, Short)	BHGE AUTOTRAK CURVE (IFR1, SHORT) MONOBORE <2135 - 17571>	PROPERTY RESERVE #4-65 3-4 2AH AWB
17571.00	17595.00	Blind Drilling (std)	Projection to bit	PROPERTY RESERVE #4-65 3-4 2AH AWB

**BURLINGTON**  
RESOURCES

**Actual Wellpath Report**  
PROPERTY RESERVE #4-65 3-4 2AH AWP  
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BURLINGTON RESOURCES	Slot	SLOT#04 PROPERTY RESERVE #4-65 3-4 2AH (2308'FNL & 545'FEL, SEC.03)
Area	COLORADO	Well	PROPERTY RESERVE #4-65 3-4 2AH
Field	ARAPAHOE COUNTY (NAD83/TN)	Wellbore	PROPERTY RESERVE #4-65 3-4 2AH AWP
Facility	SEC.03-T04S-R65W		

WELLPATH COMMENTS				
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
2135.00	0.140	130.400	2134.96	TIE ON SURVEY
2256.00	0.040	16.720	2255.96	FIRST BHGE MWD SURVEY
17571.00	89.320	272.910	7901.69	LAST BHGE MWD SURVEY
17595.00	89.320	272.910	7901.97	PROJECTION TO BIT