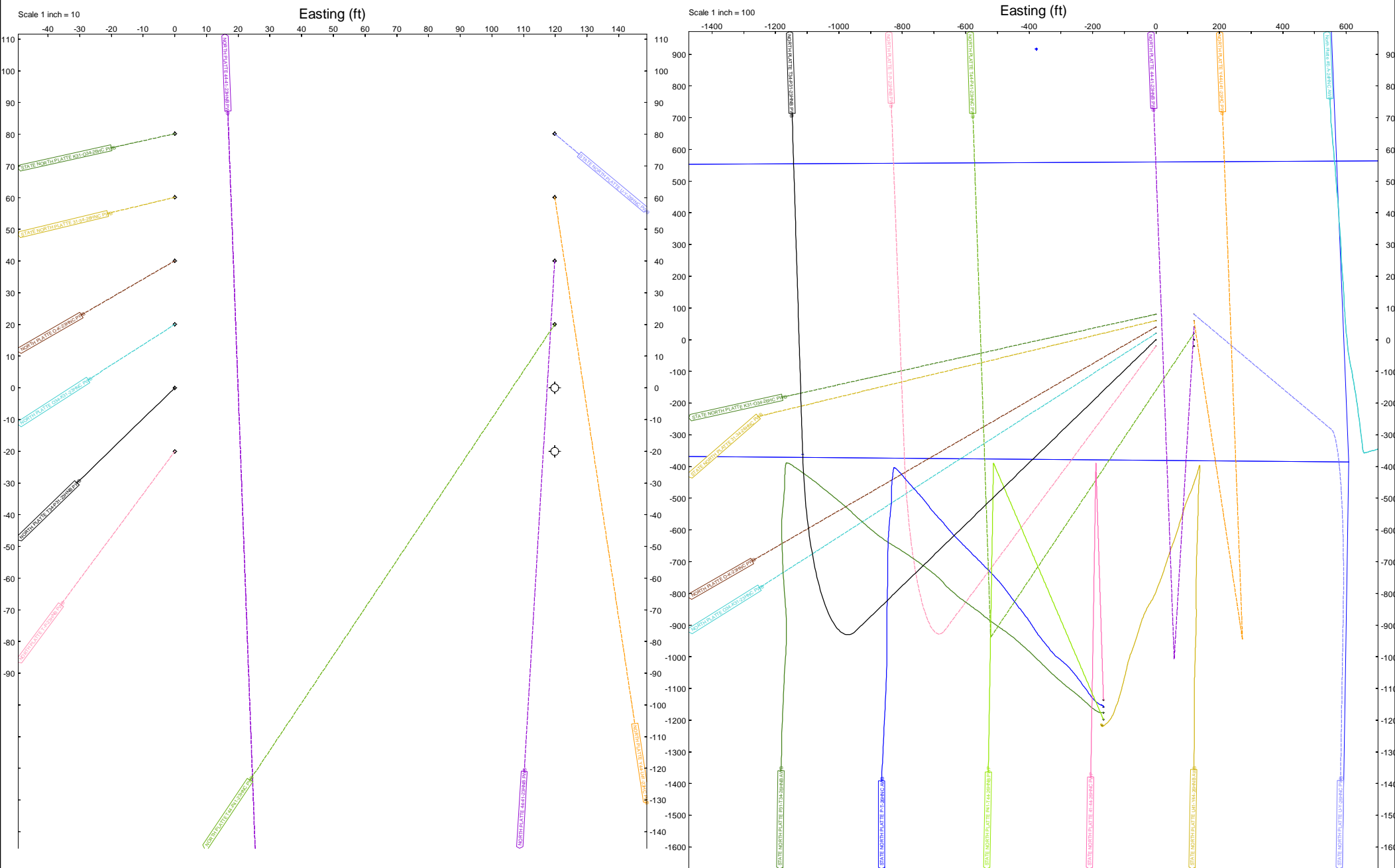


BONANZA CREEK ENERGY

Location:	COLORADO	Slot:	SLOT#05 NORTH PLATTE T34-P31-23HNB (381'FSL & 592'FEL, SEC.23)
Field:	WELD COUNTY (NAD83/TRUE)	Well:	NORTH PLATTE T34-P31-23HNB
Facility:	SEC.23-T05N-R63W	Wellbore:	NORTH PLATTE T34-P31-23HNB PWB





Planned Wellpath Report

NORTH PLATTE O34-K31-23HNC (REV-D.0) PWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK ENERGY	Well	NORTH PLATTE O34-K31-23HNC
Field	WELD COUNTY (NAD83/TRUE)	API/Legal	
Facility	SEC.23-T05N-R63W	Wellbore	NORTH PLATTE O34-K31-23HNC PWB
Slot	SLOT#04 NORTH PLATTE O34-K31-23HNC (401'FSL & 591'FEL,SEC.23)		

REPORT SETUP INFORMATION			
Projection System	NAD83 / Lambert Colorado SP, Northern Zone (501), US feet	Software System	WellArchitect® 6.0
North Reference	True	User	Robiale01
Scale	0.999959	Report Generated	1/23/2020 at 11:08:07 AM
Convergence at slot	0.71° East	Database	WellArchitectDB2

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-291.11	4086.94	3307616.47	1382648.38	40°22'42.6504"N	104°23'44.9340"W
Facility Reference Pt			3303526.44	1382889.25	40°22'45.5304"N	104°24'37.7424"W
Field Reference Pt			3224525.77	1254425.87	40°01'44.4000"N	104°41'53.5560"W

WELLPATH DATUM			
Calculation method	Minimum curvature	RIG (4582.3'GL+17'KB@4599.3') (RKB) to Facility Vertical Datum	4599.30ft
Horizontal Reference Pt	Slot	RIG (4582.3'GL+17'KB@4599.3') (RKB) to Mean Sea Level	4599.30ft
Vertical Reference Pt	RIG (4582.3'GL+17'KB@4599.3') (RKB)	RIG (4582.3'GL+17'KB@4599.3') (RKB) to Ground Level at Slot (SLOT#04 NORTH PLATTE O34-K31-23HNC (401'FSL & 591'FEL,SEC.23))	4599.30ft
MD Reference Pt	RIG (4582.3'GL+17'KB@4599.3') (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	339.49°



Planned Wellpath Report
NORTH PLATTE O34-K31-23HNC (REV-D.0) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK ENERGY	Well	NORTH PLATTE O34-K31-23HNC
Field	WELD COUNTY (NAD83/TRUE)	API/Legal	
Facility	SEC.23-T05N-R63W	Wellbore	NORTH PLATTE O34-K31-23HNC PWB
Slot	SLOT#04 NORTH PLATTE O34-K31-23HNC (401'FSL & 591'FEL,SEC.23)		

WELLPATH DATA (130 stations) † = interpolated, ‡ = extrapolated station										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
0.00†	0.000	237.308	0.00	0.00	0.00	0.00	40°22'42.6504"N	104°23'44.9340"W	0.00	
17.00	0.000	237.308	17.00	0.00	0.00	0.00	40°22'42.6504"N	104°23'44.9340"W	0.00	Tie On
117.00†	0.000	237.308	117.00	0.00	0.00	0.00	40°22'42.6504"N	104°23'44.9340"W	0.00	
217.00†	0.000	237.308	217.00	0.00	0.00	0.00	40°22'42.6504"N	104°23'44.9340"W	0.00	
317.00†	0.000	237.308	317.00	0.00	0.00	0.00	40°22'42.6504"N	104°23'44.9340"W	0.00	
417.00†	0.000	237.308	417.00	0.00	0.00	0.00	40°22'42.6504"N	104°23'44.9340"W	0.00	
517.00†	0.000	237.308	517.00	0.00	0.00	0.00	40°22'42.6504"N	104°23'44.9340"W	0.00	
617.00†	0.000	237.308	617.00	0.00	0.00	0.00	40°22'42.6504"N	104°23'44.9340"W	0.00	
717.00†	0.000	237.308	717.00	0.00	0.00	0.00	40°22'42.6504"N	104°23'44.9340"W	0.00	
800.00	0.000	237.308	800.00	0.00	0.00	0.00	40°22'42.6504"N	104°23'44.9340"W	0.00	End of Tangent
817.00†	0.340	237.308	817.00	-0.01	-0.03	-0.04	40°22'42.6501"N	104°23'44.9345"W	2.00	
917.00†	2.340	237.308	916.97	-0.50	-1.29	-2.01	40°22'42.6377"N	104°23'44.9600"W	2.00	
1017.00†	4.340	237.308	1016.79	-1.73	-4.44	-6.91	40°22'42.6066"N	104°23'45.0233"W	2.00	
1117.00†	6.340	237.308	1116.35	-3.70	-9.46	-14.75	40°22'42.5569"N	104°23'45.1245"W	2.00	
1217.00†	8.340	237.308	1215.53	-6.39	-16.36	-25.50	40°22'42.4887"N	104°23'45.2634"W	2.00	
1317.00†	10.340	237.308	1314.20	-9.82	-25.13	-39.15	40°22'42.4021"N	104°23'45.4399"W	2.00	
1417.00†	12.340	237.308	1412.24	-13.97	-35.75	-55.70	40°22'42.2971"N	104°23'45.6537"W	2.00	
1517.00†	14.340	237.308	1509.54	-18.84	-48.21	-75.12	40°22'42.1740"N	104°23'45.9046"W	2.00	
1617.00†	16.340	237.308	1605.97	-24.42	-62.50	-97.38	40°22'42.0328"N	104°23'46.1923"W	2.00	
1717.00†	18.340	237.308	1701.42	-30.71	-78.59	-122.46	40°22'41.8738"N	104°23'46.5164"W	2.00	
1817.00†	20.340	237.308	1795.77	-37.70	-96.48	-150.33	40°22'41.6970"N	104°23'46.8765"W	2.00	
1880.45	21.609	237.308	1855.02	-42.49	-108.75	-169.45	40°22'41.5758"N	104°23'47.1235"W	2.00	End of Build
1917.00†	21.609	237.308	1889.00	-45.33	-116.02	-180.77	40°22'41.5039"N	104°23'47.2698"W	0.00	
2017.00†	21.609	237.308	1981.97	-53.11	-135.91	-211.77	40°22'41.3074"N	104°23'47.6703"W	0.00	
2117.00†	21.609	237.308	2074.94	-60.88	-155.80	-242.76	40°22'41.1108"N	104°23'48.0708"W	0.00	
2217.00†	21.609	237.308	2167.91	-68.65	-175.69	-273.75	40°22'40.9143"N	104°23'48.4712"W	0.00	
2317.00†	21.609	237.308	2260.89	-76.42	-195.58	-304.75	40°22'40.7177"N	104°23'48.8717"W	0.00	
2417.00†	21.609	237.308	2353.86	-84.19	-215.47	-335.74	40°22'40.5212"N	104°23'49.2722"W	0.00	
2517.00†	21.609	237.308	2446.83	-91.97	-235.36	-366.73	40°22'40.3246"N	104°23'49.6726"W	0.00	
2617.00†	21.609	237.308	2539.80	-99.74	-255.25	-397.73	40°22'40.1280"N	104°23'50.0731"W	0.00	



Planned Wellpath Report

NORTH PLATTE O34-K31-23HNC (REV-D.0) PWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK ENERGY	Well	NORTH PLATTE O34-K31-23HNC
Field	WELD COUNTY (NAD83/TRUE)	API/Legal	
Facility	SEC.23-T05N-R63W	Wellbore	NORTH PLATTE O34-K31-23HNC PWB
Slot	SLOT#04 NORTH PLATTE O34-K31-23HNC (401'FSL & 591'FEL,SEC.23)		

WELLPATH DATA (130 stations) † = interpolated, ‡ = extrapolated station												
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude		Longitude		DLS [°/100ft]	Comments
2717.00†	21.609	237.308	2632.77	-107.51	-275.14	-428.72	40°22'39.9315"N		104°23'50.4736"W		0.00	
2817.00†	21.609	237.308	2725.75	-115.28	-295.04	-459.71	40°22'39.7349"N		104°23'50.8740"W		0.00	
2917.00†	21.609	237.308	2818.72	-123.06	-314.93	-490.71	40°22'39.5383"N		104°23'51.2745"W		0.00	
3017.00†	21.609	237.308	2911.69	-130.83	-334.82	-521.70	40°22'39.3418"N		104°23'51.6749"W		0.00	
3117.00†	21.609	237.308	3004.66	-138.60	-354.71	-552.69	40°22'39.1452"N		104°23'52.0754"W		0.00	
3217.00†	21.609	237.308	3097.63	-146.37	-374.60	-583.69	40°22'38.9487"N		104°23'52.4759"W		0.00	
3317.00†	21.609	237.308	3190.60	-154.14	-394.49	-614.68	40°22'38.7521"N		104°23'52.8763"W		0.00	
3417.00†	21.609	237.308	3283.58	-161.92	-414.38	-645.67	40°22'38.5555"N		104°23'53.2768"W		0.00	
3517.00†	21.609	237.308	3376.55	-169.69	-434.27	-676.67	40°22'38.3590"N		104°23'53.6772"W		0.00	
3617.00†	21.609	237.308	3469.52	-177.46	-454.16	-707.66	40°22'38.1624"N		104°23'54.0777"W		0.00	
3717.00†	21.609	237.308	3562.49	-185.23	-474.05	-738.65	40°22'37.9658"N		104°23'54.4782"W		0.00	
3817.00†	21.609	237.308	3655.46	-193.01	-493.94	-769.65	40°22'37.7693"N		104°23'54.8786"W		0.00	
3917.00†	21.609	237.308	3748.44	-200.78	-513.84	-800.64	40°22'37.5727"N		104°23'55.2791"W		0.00	
4017.00†	21.609	237.308	3841.41	-208.55	-533.73	-831.63	40°22'37.3761"N		104°23'55.6795"W		0.00	
4117.00†	21.609	237.308	3934.38	-216.32	-553.62	-862.63	40°22'37.1796"N		104°23'56.0800"W		0.00	
4217.00†	21.609	237.308	4027.35	-224.09	-573.51	-893.62	40°22'36.9830"N		104°23'56.4804"W		0.00	
4317.00†	21.609	237.308	4120.32	-231.87	-593.40	-924.61	40°22'36.7864"N		104°23'56.8809"W		0.00	
4417.00†	21.609	237.308	4213.30	-239.64	-613.29	-955.61	40°22'36.5899"N		104°23'57.2813"W		0.00	
4517.00†	21.609	237.308	4306.27	-247.41	-633.18	-986.60	40°22'36.3933"N		104°23'57.6818"W		0.00	
4617.00†	21.609	237.308	4399.24	-255.18	-653.07	-1017.59	40°22'36.1967"N		104°23'58.0823"W		0.00	
4717.00†	21.609	237.308	4492.21	-262.96	-672.96	-1048.59	40°22'36.0002"N		104°23'58.4827"W		0.00	
4817.00†	21.609	237.308	4585.18	-270.73	-692.85	-1079.58	40°22'35.8036"N		104°23'58.8832"W		0.00	
4917.00†	21.609	237.308	4678.15	-278.50	-712.74	-1110.57	40°22'35.6070"N		104°23'59.2836"W		0.00	
5017.00†	21.609	237.308	4771.13	-286.27	-732.64	-1141.57	40°22'35.4105"N		104°23'59.6841"W		0.00	
5117.00†	21.609	237.308	4864.10	-294.04	-752.53	-1172.56	40°22'35.2139"N		104°24'0.0845"W		0.00	
5217.00†	21.609	237.308	4957.07	-301.82	-772.42	-1203.55	40°22'35.0173"N		104°24'0.4849"W		0.00	
5317.00†	21.609	237.308	5050.04	-309.59	-792.31	-1234.55	40°22'34.8208"N		104°24'0.8854"W		0.00	
5417.00†	21.609	237.308	5143.01	-317.36	-812.20	-1265.54	40°22'34.6242"N		104°24'1.2858"W		0.00	
5517.00†	21.609	237.308	5235.99	-325.13	-832.09	-1296.53	40°22'34.4276"N		104°24'1.6863"W		0.00	
5617.00†	21.609	237.308	5328.96	-332.91	-851.98	-1327.53	40°22'34.2310"N		104°24'2.0867"W		0.00	



Planned Wellpath Report
NORTH PLATTE O34-K31-23HNC (REV-D.0) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK ENERGY	Well	NORTH PLATTE O34-K31-23HNC
Field	WELD COUNTY (NAD83/TRUE)	API/Legal	
Facility	SEC.23-T05N-R63W	Wellbore	NORTH PLATTE O34-K31-23HNC PWB
Slot	SLOT#04 NORTH PLATTE O34-K31-23HNC (401'FSL & 591'FEL,SEC.23)		

WELLPATH DATA (130 stations) † = interpolated, ‡ = extrapolated station										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
5717.00†	21.609	237.308	5421.93	-340.68	-871.87	-1358.52	40°22'34.0345"N	104°24'2.4872"W	0.00	
5817.00†	21.609	237.308	5514.90	-348.45	-891.76	-1389.51	40°22'33.8379"N	104°24'2.8876"W	0.00	
5917.00†	21.609	237.308	5607.87	-356.22	-911.65	-1420.51	40°22'33.6413"N	104°24'3.2881"W	0.00	
6017.00†	21.609	237.308	5700.85	-363.99	-931.54	-1451.50	40°22'33.4448"N	104°24'3.6885"W	0.00	
6025.24	21.609	237.308	5708.50	-364.63	-933.18	-1454.05	40°22'33.4286"N	104°24'3.7215"W	0.00	End of Tangent
6117.00†	18.819	262.852	5794.77	-364.78	-944.17	-1483.02	40°22'33.3199"N	104°24'4.0958"W	10.00	
6217.00†	20.398	292.597	5889.21	-349.11	-939.47	-1515.19	40°22'33.3664"N	104°24'4.5115"W	10.00	
6317.00†	25.899	314.091	5981.28	-317.39	-917.53	-1547.05	40°22'33.5832"N	104°24'4.9231"W	10.00	
6417.00†	33.435	327.492	6068.21	-270.60	-879.00	-1577.62	40°22'33.9639"N	104°24'5.3181"W	10.00	
6517.00†	41.919	336.207	6147.34	-210.14	-825.06	-1605.97	40°22'34.4969"N	104°24'5.6845"W	10.00	
6617.00†	50.871	342.386	6216.27	-137.88	-757.36	-1631.25	40°22'35.1659"N	104°24'6.0112"W	10.00	
6717.00†	60.075	347.145	6272.91	-55.98	-677.94	-1652.68	40°22'35.9507"N	104°24'6.2882"W	10.00	
6817.00†	69.420	351.087	6315.54	33.05	-589.22	-1669.62	40°22'36.8273"N	104°24'6.5071"W	10.00	
6917.00†	78.845	354.569	6342.86	126.50	-493.90	-1681.54	40°22'37.7692"N	104°24'6.6612"W	10.00	
7017.00†	88.307	357.829	6354.04	221.55	-394.87	-1688.10	40°22'38.7478"N	104°24'6.7460"W	10.00	
7034.88	90.000	358.404	6354.30†	238.50	-377.00	-1688.68	40°22'38.9244"N	104°24'6.7536"W	10.00	End of 3D Arc
7117.00†	90.000	358.404	6354.30	316.18	-294.92	-1690.97	40°22'39.7355"N	104°24'6.7832"W	0.00	
7217.00†	90.000	358.404	6354.30	410.78	-194.96	-1693.76	40°22'40.7233"N	104°24'6.8193"W	0.00	
7317.00†	90.000	358.404	6354.30	505.38	-95.00	-1696.54	40°22'41.7111"N	104°24'6.8554"W	0.00	
7417.00†	90.000	358.404	6354.30	599.99	4.97	-1699.33	40°22'42.6989"N	104°24'6.8915"W	0.00	
7517.00†	90.000	358.404	6354.30	694.59	104.93	-1702.11	40°22'43.6867"N	104°24'6.9275"W	0.00	
7617.00†	90.000	358.404	6354.30	789.19	204.89	-1704.90	40°22'44.6745"N	104°24'6.9636"W	0.00	
7717.00†	90.000	358.404	6354.30	883.79	304.85	-1707.68	40°22'45.6622"N	104°24'6.9997"W	0.00	
7817.00†	90.000	358.404	6354.30	978.39	404.81	-1710.47	40°22'46.6500"N	104°24'7.0358"W	0.00	
7917.00†	90.000	358.404	6354.30	1073.00	504.77	-1713.25	40°22'47.6378"N	104°24'7.0719"W	0.00	
8017.00†	90.000	358.404	6354.30	1167.60	604.73	-1716.04	40°22'48.6256"N	104°24'7.1079"W	0.00	
8117.00†	90.000	358.404	6354.30	1262.20	704.69	-1718.82	40°22'49.6134"N	104°24'7.1440"W	0.00	
8217.00†	90.000	358.404	6354.30	1356.80	804.66	-1721.61	40°22'50.6011"N	104°24'7.1801"W	0.00	
8317.00†	90.000	358.404	6354.30	1451.40	904.62	-1724.40	40°22'51.5889"N	104°24'7.2162"W	0.00	
8417.00†	90.000	358.404	6354.30	1546.01	1004.58	-1727.18	40°22'52.5767"N	104°24'7.2523"W	0.00	



Planned Wellpath Report
NORTH PLATTE O34-K31-23HNC (REV-D.0) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK ENERGY	Well	NORTH PLATTE O34-K31-23HNC
Field	WELD COUNTY (NAD83/TRUE)	API/Legal	
Facility	SEC.23-T05N-R63W	Wellbore	NORTH PLATTE O34-K31-23HNC PWB
Slot	SLOT#04 NORTH PLATTE O34-K31-23HNC (401'FSL & 591'FEL,SEC.23)		

WELLPATH DATA (130 stations) † = interpolated, ‡ = extrapolated station										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
8517.00†	90.000	358.404	6354.30	1640.61	1104.54	-1729.97	40°22'53.5645"N	104°24'7.2883"W	0.00	
8617.00†	90.000	358.404	6354.30	1735.21	1204.50	-1732.75	40°22'54.5523"N	104°24'7.3244"W	0.00	
8717.00†	90.000	358.404	6354.30	1829.81	1304.46	-1735.54	40°22'55.5401"N	104°24'7.3605"W	0.00	
8817.00†	90.000	358.404	6354.30	1924.41	1404.42	-1738.32	40°22'56.5278"N	104°24'7.3966"W	0.00	
8917.00†	90.000	358.404	6354.30	2019.01	1504.38	-1741.11	40°22'57.5156"N	104°24'7.4327"W	0.00	
9017.00†	90.000	358.404	6354.30	2113.62	1604.34	-1743.89	40°22'58.5034"N	104°24'7.4688"W	0.00	
9117.00†	90.000	358.404	6354.30	2208.22	1704.31	-1746.68	40°22'59.4912"N	104°24'7.5048"W	0.00	
9217.00†	90.000	358.404	6354.30	2302.82	1804.27	-1749.46	40°23'0.4790"N	104°24'7.5409"W	0.00	
9317.00†	90.000	358.404	6354.30	2397.42	1904.23	-1752.25	40°23'1.4667"N	104°24'7.5770"W	0.00	
9417.00†	90.000	358.404	6354.30	2492.02	2004.19	-1755.03	40°23'2.4545"N	104°24'7.6131"W	0.00	
9517.00†	90.000	358.404	6354.30	2586.63	2104.15	-1757.82	40°23'3.4423"N	104°24'7.6492"W	0.00	
9617.00†	90.000	358.404	6354.30	2681.23	2204.11	-1760.60	40°23'4.4301"N	104°24'7.6853"W	0.00	
9717.00†	90.000	358.404	6354.30	2775.83	2304.07	-1763.39	40°23'5.4179"N	104°24'7.7213"W	0.00	
9817.00†	90.000	358.404	6354.30	2870.43	2404.03	-1766.17	40°23'6.4056"N	104°24'7.7574"W	0.00	
9917.00†	90.000	358.404	6354.30	2965.03	2504.00	-1768.96	40°23'7.3934"N	104°24'7.7935"W	0.00	
10017.00†	90.000	358.404	6354.30	3059.63	2603.96	-1771.75	40°23'8.3812"N	104°24'7.8296"W	0.00	
10117.00†	90.000	358.404	6354.30	3154.24	2703.92	-1774.53	40°23'9.3690"N	104°24'7.8657"W	0.00	
10217.00†	90.000	358.404	6354.30	3248.84	2803.88	-1777.32	40°23'10.3568"N	104°24'7.9018"W	0.00	
10317.00†	90.000	358.404	6354.30	3343.44	2903.84	-1780.10	40°23'11.3445"N	104°24'7.9379"W	0.00	
10417.00†	90.000	358.404	6354.30	3438.04	3003.80	-1782.89	40°23'12.3323"N	104°24'7.9739"W	0.00	
10517.00†	90.000	358.404	6354.30	3532.64	3103.76	-1785.67	40°23'13.3201"N	104°24'8.0100"W	0.00	
10617.00†	90.000	358.404	6354.30	3627.25	3203.72	-1788.46	40°23'14.3079"N	104°24'8.0461"W	0.00	
10717.00†	90.000	358.404	6354.30	3721.85	3303.69	-1791.24	40°23'15.2957"N	104°24'8.0822"W	0.00	
10817.00†	90.000	358.404	6354.30	3816.45	3403.65	-1794.03	40°23'16.2834"N	104°24'8.1183"W	0.00	
10917.00†	90.000	358.404	6354.30	3911.05	3503.61	-1796.81	40°23'17.2712"N	104°24'8.1544"W	0.00	
11017.00†	90.000	358.404	6354.30	4005.65	3603.57	-1799.60	40°23'18.2590"N	104°24'8.1905"W	0.00	
11117.00†	90.000	358.404	6354.30	4100.26	3703.53	-1802.38	40°23'19.2468"N	104°24'8.2266"W	0.00	
11217.00†	90.000	358.404	6354.30	4194.86	3803.49	-1805.17	40°23'20.2346"N	104°24'8.2627"W	0.00	
11317.00†	90.000	358.404	6354.30	4289.46	3903.45	-1807.95	40°23'21.2223"N	104°24'8.2987"W	0.00	
11417.00†	90.000	358.404	6354.30	4384.06	4003.41	-1810.74	40°23'22.2101"N	104°24'8.3348"W	0.00	



Planned Wellpath Report
NORTH PLATTE O34-K31-23HNC (REV-D.0) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK ENERGY	Well	NORTH PLATTE O34-K31-23HNC
Field	WELD COUNTY (NAD83/TRUE)	API/Legal	
Facility	SEC.23-T05N-R63W	Wellbore	NORTH PLATTE O34-K31-23HNC PWB
Slot	SLOT#04 NORTH PLATTE O34-K31-23HNC (401'FSL & 591'FEL,SEC.23)		

WELLPATH DATA (130 stations) † = interpolated, ‡ = extrapolated station										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
11517.00†	90.000	358.404	6354.30	4478.66	4103.37	-1813.52	40°23'23.1979"N	104°24'8.3709"W	0.00	
11617.00†	90.000	358.404	6354.30	4573.26	4203.34	-1816.31	40°23'24.1857"N	104°24'8.4070"W	0.00	
11717.00†	90.000	358.404	6354.30	4667.87	4303.30	-1819.10	40°23'25.1735"N	104°24'8.4431"W	0.00	
11817.00†	90.000	358.404	6354.30	4762.47	4403.26	-1821.88	40°23'26.1612"N	104°24'8.4792"W	0.00	
11917.00†	90.000	358.404	6354.30	4857.07	4503.22	-1824.67	40°23'27.1490"N	104°24'8.5153"W	0.00	
12017.00†	90.000	358.404	6354.30	4951.67	4603.18	-1827.45	40°23'28.1368"N	104°24'8.5514"W	0.00	
12117.00†	90.000	358.404	6354.30	5046.27	4703.14	-1830.24	40°23'29.1246"N	104°24'8.5875"W	0.00	
12217.00†	90.000	358.404	6354.30	5140.88	4803.10	-1833.02	40°23'30.1124"N	104°24'8.6236"W	0.00	
12317.00†	90.000	358.404	6354.30	5235.48	4903.06	-1835.81	40°23'31.1001"N	104°24'8.6597"W	0.00	
12322.37	90.000	358.404	6354.30 ²	5240.56	4908.43	-1835.96	40°23'31.1532"N	104°24'8.6616"W	0.00	End of Tangent

HOLE & CASING SECTIONS - Ref Wellbore: NORTH PLATTE O34-K31-23HNC PWB Ref Wellpath: NORTH PLATTE O34-K31-23HNC (REV-D.0) PWP									
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	17.00	1600.00	1583.00	17.00	1589.64	0.00	0.00	-59.94	-93.40
8.5in Open Hole	1600.00	12322.37	10722.37	1589.64	6354.30	-59.94	-93.40	4908.43	-1835.96



Planned Wellpath Report

NORTH PLATTE O34-K31-23HNC (REV-D.0) PWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK ENERGY	Well	NORTH PLATTE O34-K31-23HNC
Field	WELD COUNTY (NAD83/TRUE)	API/Legal	
Facility	SEC.23-T05N-R63W	Wellbore	NORTH PLATTE O34-K31-23HNC PWB
Slot	SLOT#04 NORTH PLATTE O34-K31-23HNC (401'FSL & 591'FEL,SEC.23)		

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
2) NORTH PLATTE O34-K31-23HNC BHL REV-2 (10'FNL & 2230'FEL,SEC.23)	12322.37	6354.30	4908.43	-1835.96	3305719.62	1387533.36	40°23'31.1532"N	104°24'8.6616"W	point
1) NORTH PLATTE O34-K31-23HNC LP REV-2 (10'FSL & 2294'FEL,SEC.23)	7034.88	6354.30	-377.00	-1688.68	3305932.69	1382250.40	40°22'38.9244"N	104°24'6.7536"W	point
SEC.23-T05N-R63W	N/A	12000.30	-2991.51	-2036.61	3305617.35	1379631.87	40°22'13.0884"N	104°24'11.2464"W	polygon
	2D Polygon: dimensions not calculated								
SEC.26-T05N-R63W	N/A	12000.30	-2991.51	-2036.61	3305617.35	1379631.87	40°22'13.0884"N	104°24'11.2464"W	polygon
	2D Polygon: dimensions not calculated								

SURVEY PROGRAM - Ref Wellbore: NORTH PLATTE O34-K31-23HNC PWB Ref Wellpath: NORTH PLATTE O34-K31-23HNC (REV-D.0) PWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
17.00	1600.00	BH NaviTrak (superseded model) (Standard)		NORTH PLATTE O34-K31-23HNC PWB
1600.00	12322.37	BH AutoTrak Curve (Short)		NORTH PLATTE O34-K31-23HNC PWB



Planned Wellpath Report

NORTH PLATTE 034-K31-23HNC (REV-D.0) PWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK ENERGY	Well	NORTH PLATTE 034-K31-23HNC
Field	WELD COUNTY (NAD83/TRUE)	API/Legal	
Facility	SEC.23-T05N-R63W	Wellbore	NORTH PLATTE 034-K31-23HNC PWB
Slot	SLOT#04 NORTH PLATTE 034-K31-23HNC (401'FSL & 591'FEL,SEC.23)		

DESIGN COMMENTS				
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
17.00	0.000	237.308	17.00	Tie On
800.00	0.000	237.308	800.00	End of Tangent
1880.45	21.609	237.308	1855.02	End of Build
6025.24	21.609	237.308	5708.50	End of Tangent
7034.88	90.000	358.404	6354.30	End of 3D Arc
12322.37	90.000	358.404	6354.30	End of Tangent