



Actual Wellpath Report

STATE ANTELOPE T34-2-14XRLNB AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#03 STATE ANTELOPE T34-2-14XRLNB (310'FNL & 778'FEL, SEC.11)
Area	COLORADO	Well	STATE ANTELOPE T34-2-14XRLNB
Field	WELD COUNTY	Wellbore	STATE ANTELOPE T34-2-14XRLNB AWB
Facility	SEC.11-T05N-R62W		

REPORT SETUP INFORMATION			
Projection System	NAD83 / Lambert Colorado SP, Northern Zone (501), US feet	Software System	WellArchitect® 5.1
North Reference	True	User	Bushjamh
Scale	0.999961	Report Generated	11/1/2018 at 5:52:39 PM
Convergence at slot	0.79° East	Database/Source file	Denver/STATE_ ANTELOPE_ T34-2-14XRLNB_ AWP.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-39.97	1.93	3338689.74	1398808.51	40°25'18.314"N	104°17'00.584"W
Facility Reference Pt			3338687.26	1398848.45	40°25'18.709"N	104°17'00.609"W
Field Reference Pt			3224525.77	1254425.87	40°01'44.400"N	104°41'53.556"W

WELLPATH DATUM			
Calculation method	Minimum curvature	RIG (17'KB) (RKB) to Facility Vertical Datum	4653.00ft
Horizontal Reference Pt	Slot	RIG (17'KB) (RKB) to Mean Sea Level	4653.00ft
Vertical Reference Pt	RIG (17'KB) (RKB)	RIG (17'KB) (RKB) to Ground Level at Slot (SLOT#03 STATE ANTELOPE T34-2-14XRLNB (310'FNL & 778'FEL, SEC.11))	4653.00ft
MD Reference Pt	RIG (17'KB) (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	184.67°



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Area	COLORADO	Well	STATE ANTELOPE T34-2-14XRLNB
Field	WELD COUNTY	Wellbore	STATE ANTELOPE T34-2-14XRLNB AWB
Facility	SEC.11-T05N-R62W		

WELLPATH DATA (192 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	288.310	0.00	0.00	0.00	0.00	40°25'18.314"N	104°17'00.584"W	0.00	
17.00	0.000	288.310	17.00	0.00	0.00	0.00	40°25'18.314"N	104°17'00.584"W	0.00	
223.00	1.000	288.310	222.99	-0.42	0.56	-1.71	40°25'18.320"N	104°17'00.606"W	0.49	
314.00	1.060	298.370	313.97	-0.95	1.21	-3.20	40°25'18.326"N	104°17'00.625"W	0.21	
403.00	0.830	294.710	402.96	-1.50	1.87	-4.51	40°25'18.333"N	104°17'00.642"W	0.27	
488.00	0.630	282.500	487.96	-1.78	2.23	-5.53	40°25'18.336"N	104°17'00.655"W	0.30	
578.00	0.960	275.950	577.95	-1.86	2.42	-6.76	40°25'18.338"N	104°17'00.671"W	0.38	
669.00	0.880	284.400	668.94	-2.00	2.67	-8.19	40°25'18.340"N	104°17'00.690"W	0.17	
757.00	1.340	314.810	756.92	-2.77	3.56	-9.58	40°25'18.349"N	104°17'00.708"W	0.83	
848.00	3.180	338.360	847.85	-5.72	6.66	-11.26	40°25'18.380"N	104°17'00.730"W	2.22	
937.00	5.610	335.690	936.58	-11.74	12.92	-13.97	40°25'18.442"N	104°17'00.765"W	2.74	
1027.00	7.580	331.930	1025.98	-20.58	22.17	-18.57	40°25'18.533"N	104°17'00.824"W	2.24	
1113.00	8.810	333.330	1111.10	-30.98	33.06	-24.20	40°25'18.641"N	104°17'00.897"W	1.45	
1203.00	10.690	333.480	1199.79	-44.01	46.69	-31.02	40°25'18.775"N	104°17'00.985"W	2.09	
1293.00	12.060	333.910	1288.02	-59.23	62.60	-38.88	40°25'18.933"N	104°17'01.087"W	1.53	
1384.00	13.350	331.410	1376.80	-76.19	80.37	-48.09	40°25'19.108"N	104°17'01.206"W	1.54	
1473.00	14.660	332.000	1463.15	-94.26	99.33	-58.29	40°25'19.296"N	104°17'01.338"W	1.48	
1583.00	14.020	329.010	1569.72	-116.81	123.05	-71.69	40°25'19.530"N	104°17'01.511"W	0.89	
1680.00	11.550	337.220	1664.32	-134.97	142.08	-81.50	40°25'19.718"N	104°17'01.638"W	3.16	
1774.00	15.630	352.720	1755.70	-155.73	163.33	-86.75	40°25'19.928"N	104°17'01.706"W	5.78	
1868.00	18.610	336.100	1845.57	-181.31	189.62	-94.44	40°25'20.188"N	104°17'01.805"W	6.06	
1962.00	18.460	318.760	1934.77	-204.86	214.55	-110.34	40°25'20.434"N	104°17'02.011"W	5.85	
2056.00	18.250	298.260	2024.08	-221.12	232.73	-133.14	40°25'20.614"N	104°17'02.305"W	6.84	
2150.00	17.210	299.080	2113.61	-232.76	246.45	-158.26	40°25'20.749"N	104°17'02.630"W	1.14	
2244.00	17.470	307.060	2203.35	-246.07	261.72	-181.67	40°25'20.900"N	104°17'02.933"W	2.54	
2338.00	18.440	314.220	2292.79	-263.10	280.59	-203.59	40°25'21.087"N	104°17'03.216"W	2.56	
2432.00	18.420	324.560	2381.99	-283.93	303.07	-222.86	40°25'21.309"N	104°17'03.466"W	3.47	
2527.00	18.490	326.740	2472.10	-307.29	327.89	-239.83	40°25'21.554"N	104°17'03.685"W	0.73	
2621.00	18.510	324.260	2561.25	-330.41	352.47	-256.72	40°25'21.797"N	104°17'03.903"W	0.84	
2715.00	18.550	324.180	2650.37	-353.15	376.70	-274.18	40°25'22.036"N	104°17'04.129"W	0.05	



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Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#03 STATE ANTELOPE T34-2-14XRLNB (310'FNL & 778'FEL, SEC.11)
Area	COLORADO	Well	STATE ANTELOPE T34-2-14XRLNB
Field	WELD COUNTY	Wellbore	STATE ANTELOPE T34-2-14XRLNB AWB
Facility	SEC.11-T05N-R62W		

WELLPATH DATA (192 stations)										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
2809.00	18.550	323.460	2739.49	-375.77	400.84	-291.84	40°25'22.275"N	104°17'04.357"W	0.24	
2903.00	18.340	328.850	2828.67	-399.01	425.51	-308.39	40°25'22.519"N	104°17'04.571"W	1.83	
2996.00	18.590	337.240	2916.90	-424.04	451.71	-321.70	40°25'22.778"N	104°17'04.743"W	2.87	
3090.00	17.860	339.450	3006.18	-450.38	479.02	-332.55	40°25'23.047"N	104°17'04.884"W	1.07	
3184.00	16.910	342.900	3095.89	-476.12	505.59	-341.63	40°25'23.310"N	104°17'05.001"W	1.49	
3278.00	17.540	350.220	3185.68	-502.53	532.62	-348.06	40°25'23.577"N	104°17'05.084"W	2.40	
3372.00	17.350	347.780	3275.36	-529.66	560.27	-353.43	40°25'23.850"N	104°17'05.154"W	0.80	
3465.00	17.350	343.550	3364.13	-555.87	587.13	-360.29	40°25'24.116"N	104°17'05.243"W	1.36	
3559.00	17.500	337.070	3453.83	-581.47	613.59	-369.77	40°25'24.377"N	104°17'05.365"W	2.07	
3653.00	17.790	326.080	3543.43	-605.22	638.53	-383.29	40°25'24.624"N	104°17'05.540"W	3.55	
3746.00	17.680	315.650	3632.03	-625.60	660.42	-401.10	40°25'24.840"N	104°17'05.770"W	3.41	
3840.00	17.690	314.190	3721.59	-644.05	680.58	-421.32	40°25'25.039"N	104°17'06.032"W	0.47	
3934.00	17.560	316.850	3811.18	-662.66	700.88	-441.26	40°25'25.240"N	104°17'06.289"W	0.87	
4027.00	17.500	325.520	3899.88	-682.93	722.65	-458.77	40°25'25.455"N	104°17'06.516"W	2.81	
4122.00	17.570	335.490	3990.48	-706.53	747.47	-472.81	40°25'25.700"N	104°17'06.697"W	3.16	
4215.00	17.520	336.240	4079.16	-731.10	773.06	-484.27	40°25'25.953"N	104°17'06.846"W	0.25	
4309.00	17.360	336.920	4168.84	-755.95	798.91	-495.47	40°25'26.208"N	104°17'06.990"W	0.28	
4403.00	17.380	338.910	4258.55	-781.01	824.91	-506.02	40°25'26.465"N	104°17'07.127"W	0.63	
4497.00	17.430	343.090	4348.25	-806.74	851.48	-515.17	40°25'26.728"N	104°17'07.245"W	1.33	
4591.00	17.640	347.290	4437.89	-833.43	878.84	-522.39	40°25'26.998"N	104°17'07.339"W	1.36	
4684.00	17.520	343.140	4526.55	-859.90	905.99	-529.56	40°25'27.267"N	104°17'07.431"W	1.35	
4778.00	17.590	341.090	4616.17	-886.08	932.96	-538.26	40°25'27.533"N	104°17'07.544"W	0.66	
4872.00	17.620	335.630	4705.77	-911.54	959.36	-548.74	40°25'27.794"N	104°17'07.679"W	1.76	
4966.00	17.600	328.960	4795.38	-935.52	984.50	-561.94	40°25'28.042"N	104°17'07.850"W	2.15	
5060.00	17.570	332.250	4884.99	-959.04	1009.23	-575.87	40°25'28.287"N	104°17'08.030"W	1.06	
5153.00	17.690	327.240	4973.62	-982.11	1033.54	-590.05	40°25'28.527"N	104°17'08.213"W	1.64	
5248.00	17.560	322.440	5064.17	-1004.18	1057.04	-606.60	40°25'28.759"N	104°17'08.427"W	1.54	
5341.00	17.740	324.410	5152.79	-1025.39	1079.68	-623.40	40°25'28.983"N	104°17'08.645"W	0.67	
5435.00	17.620	322.540	5242.35	-1046.87	1102.62	-640.39	40°25'29.210"N	104°17'08.864"W	0.62	
5529.00	17.680	319.610	5331.93	-1067.50	1124.79	-658.29	40°25'29.429"N	104°17'09.096"W	0.95	



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Area	COLORADO	Well	STATE ANTELOPE T34-2-14XRLNB
Field	WELD COUNTY	Wellbore	STATE ANTELOPE T34-2-14XRLNB AWB
Facility	SEC.11-T05N-R62W		

WELLPATH DATA (192 stations)										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
5622.00	17.720	316.060	5420.53	-1086.84	1145.74	-677.26	40°25'29.636"N	104°17'09.341"W	1.16	
5716.00	17.020	317.350	5510.24	-1105.62	1166.15	-696.51	40°25'29.837"N	104°17'09.590"W	0.85	
5810.00	12.790	282.660	5601.23	-1116.42	1178.58	-716.03	40°25'29.960"N	104°17'09.842"W	10.30	
5904.00	14.150	243.190	5692.84	-1111.86	1175.68	-736.48	40°25'29.931"N	104°17'10.107"W	9.70	
5998.00	16.860	221.170	5783.48	-1094.88	1160.22	-755.73	40°25'29.779"N	104°17'10.356"W	6.84	
6093.00	23.980	206.450	5872.51	-1065.83	1132.51	-773.43	40°25'29.505"N	104°17'10.585"W	9.19	
6187.00	35.440	195.330	5954.08	-1021.13	1088.94	-789.21	40°25'29.074"N	104°17'10.789"W	13.48	
6281.00	44.710	192.950	6025.94	-961.49	1030.31	-803.85	40°25'28.495"N	104°17'10.978"W	9.99	
6375.00	53.770	191.670	6087.25	-890.99	960.81	-818.96	40°25'27.808"N	104°17'11.173"W	9.69	
6469.00	62.560	188.020	6136.79	-811.54	882.20	-832.48	40°25'27.031"N	104°17'11.348"W	9.91	
6563.00	72.650	180.700	6172.60	-724.82	795.71	-838.87	40°25'26.177"N	104°17'11.431"W	12.92	
6657.00	77.710	179.090	6196.64	-634.30	704.87	-838.69	40°25'25.279"N	104°17'11.428"W	5.63	
6751.00	85.960	181.980	6209.98	-541.58	611.92	-839.58	40°25'24.361"N	104°17'11.440"W	9.29	
6845.00	90.920	181.590	6212.54	-447.77	518.03	-842.51	40°25'23.433"N	104°17'11.477"W	5.29	TOP OF PRODUCTION (250'FSL & 1619'FEL, SEC.02)
6938.00	91.050	180.230	6210.94	-354.98	425.06	-843.99	40°25'22.514"N	104°17'11.497"W	1.47	
7031.00	91.080	178.850	6209.21	-262.37	332.08	-843.24	40°25'21.595"N	104°17'11.487"W	1.48	
7125.00	91.050	177.690	6207.46	-168.98	238.14	-840.40	40°25'20.667"N	104°17'11.450"W	1.23	
7219.00	91.110	177.540	6205.69	-75.70	144.24	-836.49	40°25'19.739"N	104°17'11.400"W	0.17	
7313.00	91.020	178.270	6203.95	17.63	50.32	-833.06	40°25'18.811"N	104°17'11.355"W	0.78	
7407.00	90.990	178.690	6202.30	111.06	-43.63	-830.56	40°25'17.883"N	104°17'11.323"W	0.45	
7499.00	89.940	178.590	6201.55	202.55	-135.60	-828.38	40°25'16.974"N	104°17'11.295"W	1.15	
7589.00	89.970	179.230	6201.62	292.10	-225.59	-826.67	40°25'16.085"N	104°17'11.272"W	0.71	
7680.00	90.000	179.570	6201.64	382.71	-316.58	-825.71	40°25'15.186"N	104°17'11.260"W	0.38	
7769.00	89.940	178.980	6201.69	471.32	-405.57	-824.59	40°25'14.306"N	104°17'11.245"W	0.67	
7854.00	90.060	179.180	6201.69	555.91	-490.56	-823.22	40°25'13.466"N	104°17'11.228"W	0.27	
7943.00	89.940	179.830	6201.69	644.55	-579.56	-822.46	40°25'12.587"N	104°17'11.218"W	0.74	
8035.00	91.350	180.760	6200.66	736.28	-671.55	-822.93	40°25'11.678"N	104°17'11.224"W	1.84	
8123.00	91.260	180.820	6198.65	824.05	-759.52	-824.14	40°25'10.809"N	104°17'11.239"W	0.12	
8214.00	91.260	180.690	6196.65	914.82	-850.49	-825.34	40°25'09.910"N	104°17'11.255"W	0.14	
8302.00	91.450	180.750	6194.57	1002.58	-938.46	-826.45	40°25'09.040"N	104°17'11.269"W	0.23	



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Field	WELD COUNTY	Wellbore	STATE ANTELOPE T34-2-14XRLNB AWB
Facility	SEC.11-T05N-R62W		

WELLPATH DATA (192 stations)										
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8393.00	90.060	180.940	6193.37	1093.37	-1029.44	-827.79	40°25'08.141"N	104°17'11.286"W	1.54	
8478.00	90.490	181.560	6192.96	1178.22	-1114.41	-829.64	40°25'07.302"N	104°17'11.310"W	0.89	
8568.00	89.940	181.600	6192.62	1268.09	-1204.38	-832.12	40°25'06.413"N	104°17'11.342"W	0.61	
8659.00	89.970	182.000	6192.70	1358.97	-1295.33	-834.98	40°25'05.514"N	104°17'11.379"W	0.44	
8750.00	89.910	181.810	6192.79	1449.87	-1386.28	-838.01	40°25'04.615"N	104°17'11.418"W	0.22	
8839.00	89.940	180.700	6192.91	1538.71	-1475.26	-839.96	40°25'03.736"N	104°17'11.444"W	1.25	
8928.00	90.030	180.920	6192.93	1627.51	-1564.25	-841.21	40°25'02.857"N	104°17'11.460"W	0.27	
9018.00	90.060	180.820	6192.86	1717.31	-1654.24	-842.58	40°25'01.967"N	104°17'11.477"W	0.12	
9108.00	90.000	179.440	6192.81	1807.03	-1744.24	-842.79	40°25'01.078"N	104°17'11.480"W	1.53	
9197.00	90.000	179.170	6192.81	1895.64	-1833.23	-841.71	40°25'00.199"N	104°17'11.466"W	0.30	
9288.00	89.820	179.390	6192.96	1986.23	-1924.23	-840.56	40°24'59.299"N	104°17'11.451"W	0.31	
9379.00	89.850	183.060	6193.22	2077.05	-2015.19	-842.51	40°24'58.401"N	104°17'11.476"W	4.03	
9470.00	89.780	178.510	6193.51	2167.82	-2106.16	-843.75	40°24'57.502"N	104°17'11.492"W	5.00	
9559.00	89.880	172.130	6193.78	2255.59	-2194.81	-836.50	40°24'56.626"N	104°17'11.399"W	7.17	
9648.00	90.280	173.210	6193.65	2342.65	-2283.08	-825.14	40°24'55.753"N	104°17'11.252"W	1.29	
9736.00	90.220	178.070	6193.27	2429.53	-2370.80	-818.45	40°24'54.887"N	104°17'11.165"W	5.52	
9824.00	90.150	177.950	6192.98	2516.94	-2458.75	-815.40	40°24'54.017"N	104°17'11.126"W	0.16	
9916.00	90.120	178.330	6192.77	2608.34	-2550.70	-812.41	40°24'53.109"N	104°17'11.087"W	0.41	
10005.00	90.090	180.200	6192.60	2696.94	-2639.69	-811.27	40°24'52.230"N	104°17'11.072"W	2.10	
10096.00	90.120	183.030	6192.44	2787.80	-2730.64	-813.83	40°24'51.331"N	104°17'11.105"W	3.11	
10183.00	90.220	186.490	6192.18	2874.79	-2817.33	-821.05	40°24'50.474"N	104°17'11.199"W	3.98	
10272.00	90.220	187.860	6191.84	2963.70	-2905.63	-832.17	40°24'49.602"N	104°17'11.342"W	1.54	
10364.00	90.250	187.720	6191.46	3055.56	-2996.78	-844.64	40°24'48.701"N	104°17'11.503"W	0.16	
10456.00	90.250	187.280	6191.06	3147.45	-3087.99	-856.65	40°24'47.800"N	104°17'11.659"W	0.48	
10548.00	90.280	186.430	6190.63	3239.38	-3179.33	-867.63	40°24'46.897"N	104°17'11.801"W	0.92	
10638.00	90.250	183.660	6190.22	3329.37	-3268.97	-875.54	40°24'46.011"N	104°17'11.903"W	3.08	
10729.00	90.000	181.100	6190.02	3420.29	-3359.89	-879.32	40°24'45.113"N	104°17'11.952"W	2.83	
10821.00	90.030	180.500	6189.99	3512.08	-3451.88	-880.60	40°24'44.204"N	104°17'11.968"W	0.65	
10911.00	89.940	178.550	6190.02	3601.71	-3541.87	-879.86	40°24'43.314"N	104°17'11.959"W	2.17	
11001.00	90.000	177.050	6190.06	3691.06	-3631.80	-876.40	40°24'42.426"N	104°17'11.914"W	1.67	



Actual Wellpath Report

STATE ANTELOPE T34-2-14XRLNB AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#03 STATE ANTELOPE T34-2-14XRLNB (310'FNL & 778'FEL, SEC.11)
Area	COLORADO	Well	STATE ANTELOPE T34-2-14XRLNB
Field	WELD COUNTY	Wellbore	STATE ANTELOPE T34-2-14XRLNB AWB
Facility	SEC.11-T05N-R62W		

WELLPATH DATA (192 stations)										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
11090.00	89.820	175.460	6190.20	3779.10	-3720.61	-870.59	40°24'41.548"N	104°17'11.839"W	1.80	
11178.00	89.880	174.530	6190.44	3865.85	-3808.27	-862.91	40°24'40.682"N	104°17'11.739"W	1.06	
11269.00	89.910	174.490	6190.60	3955.43	-3898.85	-854.21	40°24'39.787"N	104°17'11.627"W	0.05	
11358.00	89.780	174.890	6190.84	4043.08	-3987.47	-845.97	40°24'38.911"N	104°17'11.520"W	0.47	
11448.00	89.720	177.460	6191.24	4132.08	-4077.26	-839.97	40°24'38.024"N	104°17'11.443"W	2.86	
11537.00	89.820	178.900	6191.59	4220.51	-4166.21	-837.14	40°24'37.145"N	104°17'11.406"W	1.62	
11629.00	90.030	179.440	6191.71	4312.09	-4258.20	-835.81	40°24'36.236"N	104°17'11.389"W	0.63	
11720.00	90.120	180.160	6191.59	4402.76	-4349.20	-835.49	40°24'35.337"N	104°17'11.385"W	0.80	
11810.00	90.060	180.210	6191.45	4492.48	-4439.20	-835.78	40°24'34.447"N	104°17'11.388"W	0.09	
11899.00	89.970	179.940	6191.43	4581.20	-4528.20	-835.90	40°24'33.568"N	104°17'11.390"W	0.32	
11989.00	90.060	179.740	6191.41	4670.88	-4618.20	-835.65	40°24'32.679"N	104°17'11.386"W	0.24	
12079.00	90.000	179.760	6191.36	4760.55	-4708.20	-835.25	40°24'31.789"N	104°17'11.381"W	0.07	
12171.00	89.970	180.080	6191.38	4852.23	-4800.20	-835.12	40°24'30.880"N	104°17'11.380"W	0.35	
12259.00	90.000	180.420	6191.41	4939.97	-4888.20	-835.51	40°24'30.011"N	104°17'11.385"W	0.39	
12349.00	89.940	180.850	6191.45	5029.75	-4978.19	-836.51	40°24'29.121"N	104°17'11.397"W	0.48	
12438.00	90.000	180.560	6191.50	5118.54	-5067.19	-837.60	40°24'28.242"N	104°17'11.412"W	0.33	
12528.00	89.970	180.630	6191.52	5208.31	-5157.18	-838.54	40°24'27.353"N	104°17'11.424"W	0.08	
12618.00	89.970	181.430	6191.57	5298.13	-5247.17	-840.15	40°24'26.463"N	104°17'11.444"W	0.89	
12708.00	89.970	181.540	6191.62	5387.99	-5337.14	-842.49	40°24'25.574"N	104°17'11.475"W	0.12	
12800.00	89.970	180.430	6191.67	5479.80	-5429.12	-844.07	40°24'24.665"N	104°17'11.495"W	1.21	
12891.00	90.030	179.390	6191.67	5570.48	-5520.12	-843.92	40°24'23.766"N	104°17'11.493"W	1.14	
12980.00	89.970	179.720	6191.67	5659.13	-5609.12	-843.23	40°24'22.887"N	104°17'11.484"W	0.38	
13071.00	90.000	178.960	6191.69	5749.73	-5700.11	-842.18	40°24'21.988"N	104°17'11.471"W	0.84	
13163.00	90.060	178.460	6191.64	5841.24	-5792.09	-840.11	40°24'21.079"N	104°17'11.444"W	0.55	
13254.00	89.970	176.140	6191.62	5931.48	-5882.98	-835.83	40°24'20.180"N	104°17'11.388"W	2.55	
13345.00	90.000	177.020	6191.64	6021.57	-5973.82	-830.40	40°24'19.283"N	104°17'11.318"W	0.97	
13436.00	90.030	177.080	6191.62	6111.77	-6064.70	-825.72	40°24'18.385"N	104°17'11.257"W	0.07	
13526.00	90.030	177.030	6191.57	6200.98	-6154.58	-821.09	40°24'17.497"N	104°17'11.198"W	0.06	
13616.00	90.060	178.260	6191.50	6290.30	-6244.50	-817.39	40°24'16.608"N	104°17'11.150"W	1.37	
13708.00	90.000	179.620	6191.45	6381.84	-6336.48	-815.69	40°24'15.699"N	104°17'11.128"W	1.48	



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STATE ANTELOPE T34-2-14XRLNB AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#03 STATE ANTELOPE T34-2-14XRLNB (310'FNL & 778'FEL, SEC.11)
Area	COLORADO	Well	STATE ANTELOPE T34-2-14XRLNB
Field	WELD COUNTY	Wellbore	STATE ANTELOPE T34-2-14XRLNB AWB
Facility	SEC.11-T05N-R62W		

WELLPATH DATA (192 stations)										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
13799.00	89.910	182.300	6191.52	6472.64	-6427.46	-817.22	40°24'14.800"N	104°17'11.147"W	2.95	
13889.00	89.910	182.540	6191.66	6562.57	-6517.38	-821.02	40°24'13.912"N	104°17'11.197"W	0.27	
13978.00	90.120	182.920	6191.64	6651.52	-6606.28	-825.26	40°24'13.033"N	104°17'11.251"W	0.49	
14068.00	89.970	181.570	6191.57	6741.44	-6696.21	-828.78	40°24'12.144"N	104°17'11.297"W	1.51	
14157.00	89.970	180.810	6191.62	6830.27	-6785.19	-830.63	40°24'11.265"N	104°17'11.321"W	0.85	
14246.00	90.000	179.300	6191.64	6918.98	-6874.19	-830.71	40°24'10.386"N	104°17'11.322"W	1.70	
14337.00	90.090	179.310	6191.57	7009.58	-6965.18	-829.61	40°24'09.487"N	104°17'11.307"W	0.10	
14427.00	90.060	182.980	6191.45	7099.40	-7055.15	-831.41	40°24'08.598"N	104°17'11.331"W	4.08	
14516.00	90.060	188.030	6191.36	7188.36	-7143.71	-839.94	40°24'07.722"N	104°17'11.441"W	5.67	
14606.00	90.000	189.410	6191.31	7278.13	-7232.66	-853.59	40°24'06.843"N	104°17'11.617"W	1.53	
14696.00	90.620	182.230	6190.82	7368.05	-7322.14	-862.71	40°24'05.959"N	104°17'11.735"W	8.01	
14786.00	90.890	176.820	6189.64	7457.65	-7412.10	-861.96	40°24'05.070"N	104°17'11.725"W	6.02	
14878.00	90.890	176.040	6188.21	7548.69	-7503.91	-856.23	40°24'04.163"N	104°17'11.651"W	0.85	
14965.00	90.340	175.700	6187.27	7634.66	-7590.67	-849.97	40°24'03.306"N	104°17'11.570"W	0.74	
15056.00	90.340	176.120	6186.73	7724.60	-7681.44	-843.48	40°24'02.409"N	104°17'11.486"W	0.46	
15145.00	90.000	176.110	6186.47	7812.61	-7770.24	-837.45	40°24'01.531"N	104°17'11.408"W	0.38	
15235.00	90.000	175.910	6186.47	7901.58	-7860.02	-831.19	40°24'00.644"N	104°17'11.327"W	0.22	
15324.00	89.940	175.950	6186.52	7989.55	-7948.79	-824.87	40°23'59.767"N	104°17'11.246"W	0.08	
15413.00	90.000	177.150	6186.56	8077.66	-8037.63	-819.51	40°23'58.889"N	104°17'11.176"W	1.35	
15503.00	90.090	178.810	6186.49	8167.04	-8127.57	-816.34	40°23'58.000"N	104°17'11.135"W	1.85	
15593.00	90.120	179.640	6186.33	8256.64	-8217.56	-815.12	40°23'57.111"N	104°17'11.120"W	0.92	
15682.00	90.090	180.180	6186.16	8345.33	-8306.56	-814.98	40°23'56.232"N	104°17'11.118"W	0.61	
15772.00	89.970	180.540	6186.12	8435.08	-8396.56	-815.55	40°23'55.342"N	104°17'11.125"W	0.42	
15858.00	90.000	180.640	6186.14	8520.86	-8482.55	-816.44	40°23'54.492"N	104°17'11.137"W	0.12	
15948.00	90.000	180.930	6186.14	8610.65	-8572.55	-817.67	40°23'53.603"N	104°17'11.152"W	0.32	
16039.00	89.850	182.730	6186.26	8701.54	-8663.50	-820.57	40°23'52.704"N	104°17'11.190"W	1.98	
16129.00	90.030	182.700	6186.35	8791.48	-8753.39	-824.84	40°23'51.816"N	104°17'11.245"W	0.20	
16218.00	89.910	180.820	6186.40	8880.36	-8842.35	-827.57	40°23'50.937"N	104°17'11.280"W	2.12	
16307.00	89.940	178.690	6186.52	8969.03	-8931.34	-827.19	40°23'50.058"N	104°17'11.275"W	2.39	
16398.00	90.030	178.000	6186.54	9059.48	-9022.30	-824.56	40°23'49.159"N	104°17'11.241"W	0.76	



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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#03 STATE ANTELOPE T34-2-14XRLNB (310'FNL & 778'FEL, SEC.11)
Area	COLORADO	Well	STATE ANTELOPE T34-2-14XRLNB
Field	WELD COUNTY	Wellbore	STATE ANTELOPE T34-2-14XRLNB AWB
Facility	SEC.11-T05N-R62W		

WELLPATH DATA (192 stations)										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
16487.00	89.940	179.300	6186.56	9147.99	-9111.28	-822.47	40°23'48.280"N	104°17'11.214"W	1.46	
16576.00	89.910	179.680	6186.68	9236.62	-9200.27	-821.67	40°23'47.400"N	104°17'11.204"W	0.43	
16665.00	89.940	178.490	6186.80	9325.20	-9289.26	-820.25	40°23'46.521"N	104°17'11.185"W	1.34	
16755.00	89.940	175.170	6186.89	9414.35	-9379.11	-815.28	40°23'45.633"N	104°17'11.121"W	3.69	
16847.00	90.030	173.910	6186.91	9504.91	-9470.69	-806.52	40°23'44.728"N	104°17'11.008"W	1.37	
16935.00	89.910	177.210	6186.96	9591.79	-9558.41	-799.71	40°23'43.861"N	104°17'10.920"W	3.75	
17024.00	89.940	179.710	6187.08	9680.26	-9647.38	-797.32	40°23'42.982"N	104°17'10.889"W	2.81	
17113.00	90.000	181.950	6187.12	9769.06	-9736.36	-798.61	40°23'42.103"N	104°17'10.906"W	2.52	
17201.00	90.060	181.430	6187.08	9856.94	-9824.32	-801.20	40°23'41.234"N	104°17'10.939"W	0.59	
17292.00	89.970	181.230	6187.05	9947.78	-9915.30	-803.32	40°23'40.335"N	104°17'10.966"W	0.24	
17349.00	89.910	181.370	6187.11	10004.68	-9972.28	-804.61	40°23'39.771"N	104°17'10.983"W	0.27	LAST BHGE SURVEY (507'FSL & 1559'FEL, SEC.14)
17375.00	89.910	181.370	6187.15	10030.64	-9998.27	-805.23	40°23'39.515"N	104°17'10.991"W	0.00	PROJ TO BIT (481'FSL & 1559'FEL, SEC.14)



Actual Wellpath Report

STATE ANTELOPE T34-2-14XRLNB AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#03 STATE ANTELOPE T34-2-14XRLNB (310'FNL & 778'FEL, SEC.11)
Area	COLORADO	Well	STATE ANTELOPE T34-2-14XRLNB
Field	WELD COUNTY	Wellbore	STATE ANTELOPE T34-2-14XRLNB AWB
Facility	SEC.11-T05N-R62W		

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
SEC.02-T05N-R62W	29.00	4070.16	-4271.38	3334363.11	1402819.53	40°25'58.530"N	104°17'55.820"W	polygon
SEC.11-T05N-R62W	29.00	-10100.53	-3441.67	3335387.09	1388662.13	40°23'38.502"N	104°17'45.065"W	polygon
SEC.14-T05N-R62W	29.00	-10100.53	-3441.67	3335387.09	1388662.13	40°23'38.502"N	104°17'45.065"W	polygon
STATE ANTELOPE T34-2-14XRLNB BHL (470'FSL&1571'FEL,SEC.14)	6183.00	-10009.43	-817.01	3338010.14	1388789.22	40°23'39.404"N	104°17'11.143"W	point
STATE ANTELOPE T34-2-14XRLNB BHL REV-1 (470'FSL & 1571'FEL, SEC.14)	6183.00	-10009.43	-817.07	3338010.09	1388789.23	40°23'39.404"N	104°17'11.144"W	point
STATE ANTELOPE T34-2-14XRLNB LP (330'FSL&1613'FEL,SEC.02)	6183.00	598.19	-838.33	3337843.32	1399395.12	40°25'24.225"N	104°17'11.423"W	point
STATE ANTELOPE T34-2-14XRLNB LP REV-1 (330'FSL & 1613'FEL, SEC.02)	6183.00	597.86	-838.41	3337843.25	1399394.79	40°25'24.222"N	104°17'11.424"W	point
STATE ANTELOPE T34-2-14XRLNB MID LATERAL (0'FNL & 1607'FEL, SEC.14)	6183.00	-5105.79	-842.00	3337917.90	1393691.86	40°24'27.860"N	104°17'11.468"W	point
STATE ANTELOPE T34-2-14XRLNB BHL REV-2 (470'FSL & 1571'FEL, SEC.14)	6204.00	-10009.47	-817.07	3338010.09	1388789.19	40°23'39.404"N	104°17'11.144"W	point
STATE ANTELOPE T34-2-14XRLNB LP REV-2 (330'FSL & 1613'FEL, SEC.02)	6204.00	597.89	-838.37	3337843.28	1399394.83	40°25'24.222"N	104°17'11.424"W	point
STATE ANTELOPE T34-2-14XRLNB MID LATERAL REV-1 (0'FNL & 1607'FEL, SEC.14)	6204.00	-5105.83	-841.97	3337917.93	1393691.82	40°24'27.860"N	104°17'11.468"W	point
SEC.11/14-T05N-R62W HARDLINES (460'SETBACK)	6213.00	-10100.53	-3441.67	3335387.09	1388662.13	40°23'38.502"N	104°17'45.065"W	polygon



Actual Wellpath Report

STATE ANTELOPE T34-2-14XRLNB AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#03 STATE ANTELOPE T34-2-14XRLNB (310'FNL & 778'FEL, SEC.11)
Area	COLORADO	Well	STATE ANTELOPE T34-2-14XRLNB
Field	WELD COUNTY	Wellbore	STATE ANTELOPE T34-2-14XRLNB AWB
Facility	SEC.11-T05N-R62W		

WELLPATH COMPOSITION - Ref Wellbore: STATE ANTELOPE T34-2-14XRLNB AWB Ref Wellpath: STATE ANTELOPE T34-2-14XRLNB AWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
17.00	1583.00	BHI NaviTrak (Rotating+Axial Corr)	BHI NAVITRAK (ROTATING + AXIAL CORR) <223-1583>	STATE ANTELOPE T34-2-14XRLNB AWB
1583.00	17349.00	BHI AutoTrak Curve (Axial Corr, Short spacing)	BHI ATCURVE (AXIAL CORR+SHORT SPACING) <1680-17349>	STATE ANTELOPE T34-2-14XRLNB AWB
17349.00	17375.00	Blind Drilling (std)	Projection to bit	STATE ANTELOPE T34-2-14XRLNB AWB



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STATE ANTELOPE T34-2-14XRLNB AWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#03 STATE ANTELOPE T34-2-14XRLNB (310'FNL & 778'FEL, SEC.11)
Area	COLORADO	Well	STATE ANTELOPE T34-2-14XRLNB
Field	WELD COUNTY	Wellbore	STATE ANTELOPE T34-2-14XRLNB AWB
Facility	SEC.11-T05N-R62W		

WELLPATH COMMENTS				
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
6845.00	90.920	181.590	6212.54	TOP OF PRODUCTION (250'FSL & 1619'FEL, SEC.02)
17349.00	89.910	181.370	6187.11	LAST BHGE SURVEY (507'FSL & 1559'FEL, SEC.14)
17375.00	89.910	181.370	6187.15	PROJ TO BIT (481'FSL & 1559'FEL, SEC.14)