

# **BONANZA CREEK ENERGY INC.**

**WELD COUNTY, COLORADO  
SE SW SEC. 24 T5N R63W 6th P.M.  
NORTH PLATTE E-A-24HNC**

**ORIGINAL WELLBORE**

**16 January, 2014**

**Plan: PROPOSAL #1**





Project: WELD COUNTY, COLORADO  
Site: SE SW SEC. 24 T5N R63W 6th P.M.  
Well: NORTH PLATTE E-A-24HNC  
Wellbore: ORIGINAL WELLBORE  
Design: PROPOSAL #1

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	VSec	Dep	Annotation
0.0	0.0	0.00	0.00	0.0	0.0	0.0	0.0	W/C: 461ft FSL & 1359ft FWL Sec 24
2200.0	2200.0	0.00	0.00	0.0	0.0	0.0	0.0	START NUDGE (3°/100ft BUR)
3001.8	3027.4	24.82	246.70	-69.8	-162.1	-17.9	176.4	EOB TO 24.82° INC
5015.7	5246.4	24.82	246.70	-438.2	-1017.6	-112.3	1108.0	END OF TANGENT
5817.5	6073.8	0.00	0.00	-508.0	-1179.7	-130.2	1284.4	EOD TO VERTICAL
5847.5	6103.8	0.00	0.00	-508.0	-1179.7	-130.2	1284.4	KOP (12°/100ft BUR)
6308.7	6728.8	75.00	357.72	-154.4	-1193.8	211.3	1638.3	START OF TANGENT
6334.6	6828.8	75.00	357.72	-57.9	-1197.6	304.5	1734.9	END OF TANGENT
6350.8	6953.8	90.00	357.72	65.6	-1202.5	423.8	1858.5	ENTRY PNT: 531ft FSL & 160ft FWL Sec 24
6350.8	11254.6	90.00	357.71	4363.0	-1373.9	4574.2	6159.3	BHL - 470ft FNL & 160ft FWL Sec 24

LOCAL COORDINATES:

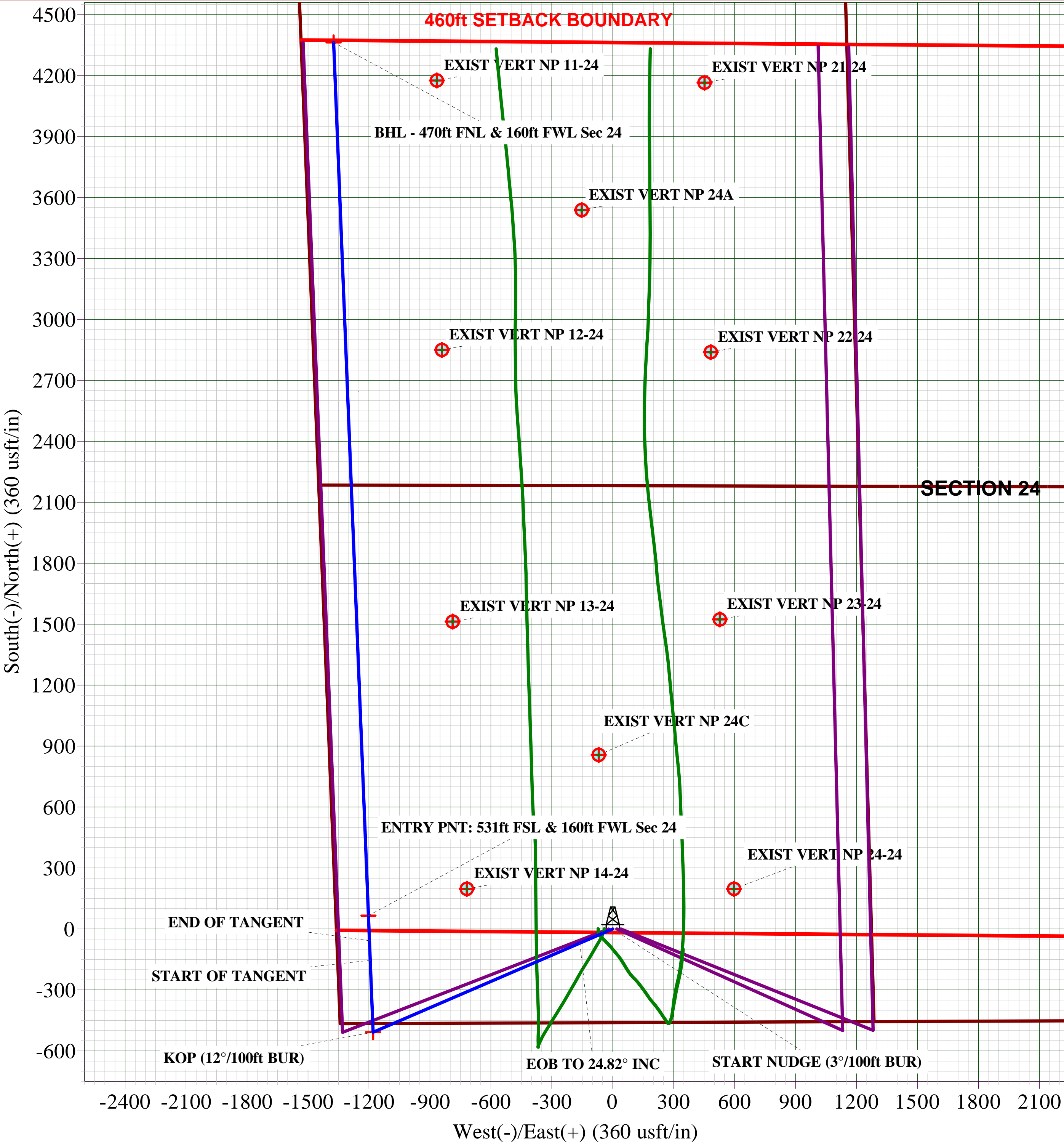
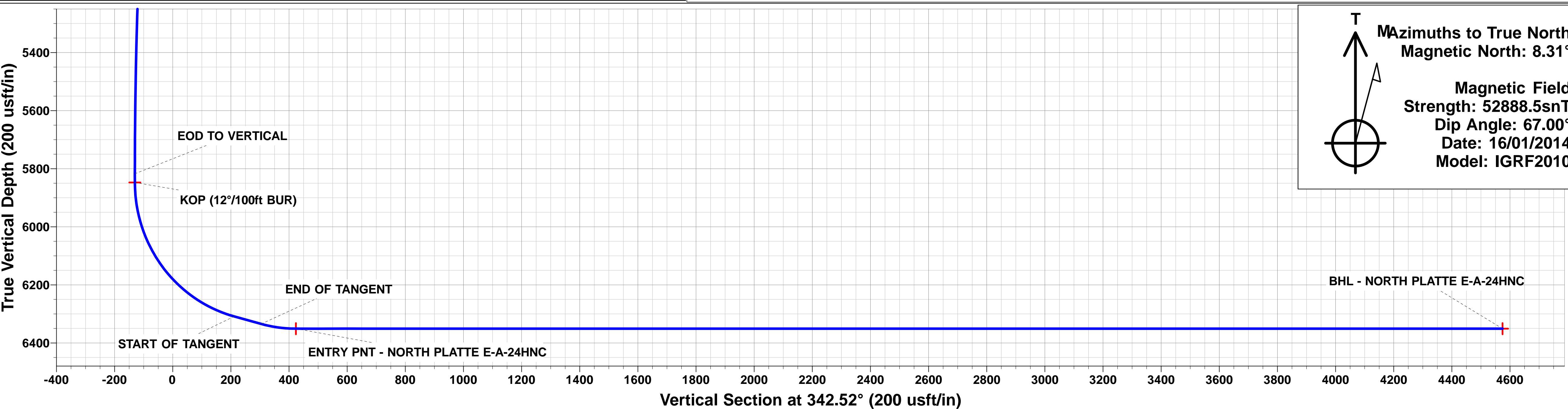
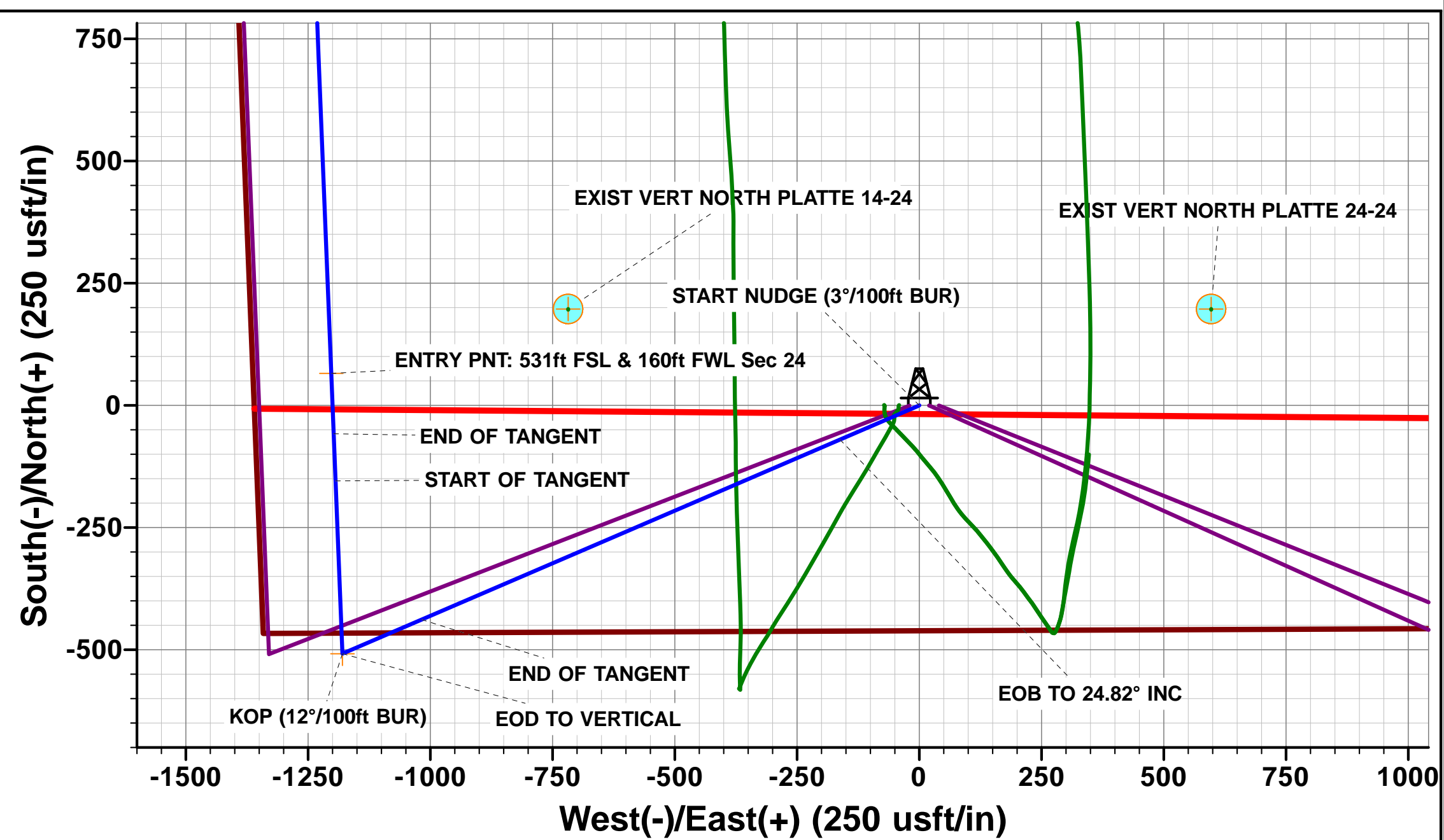
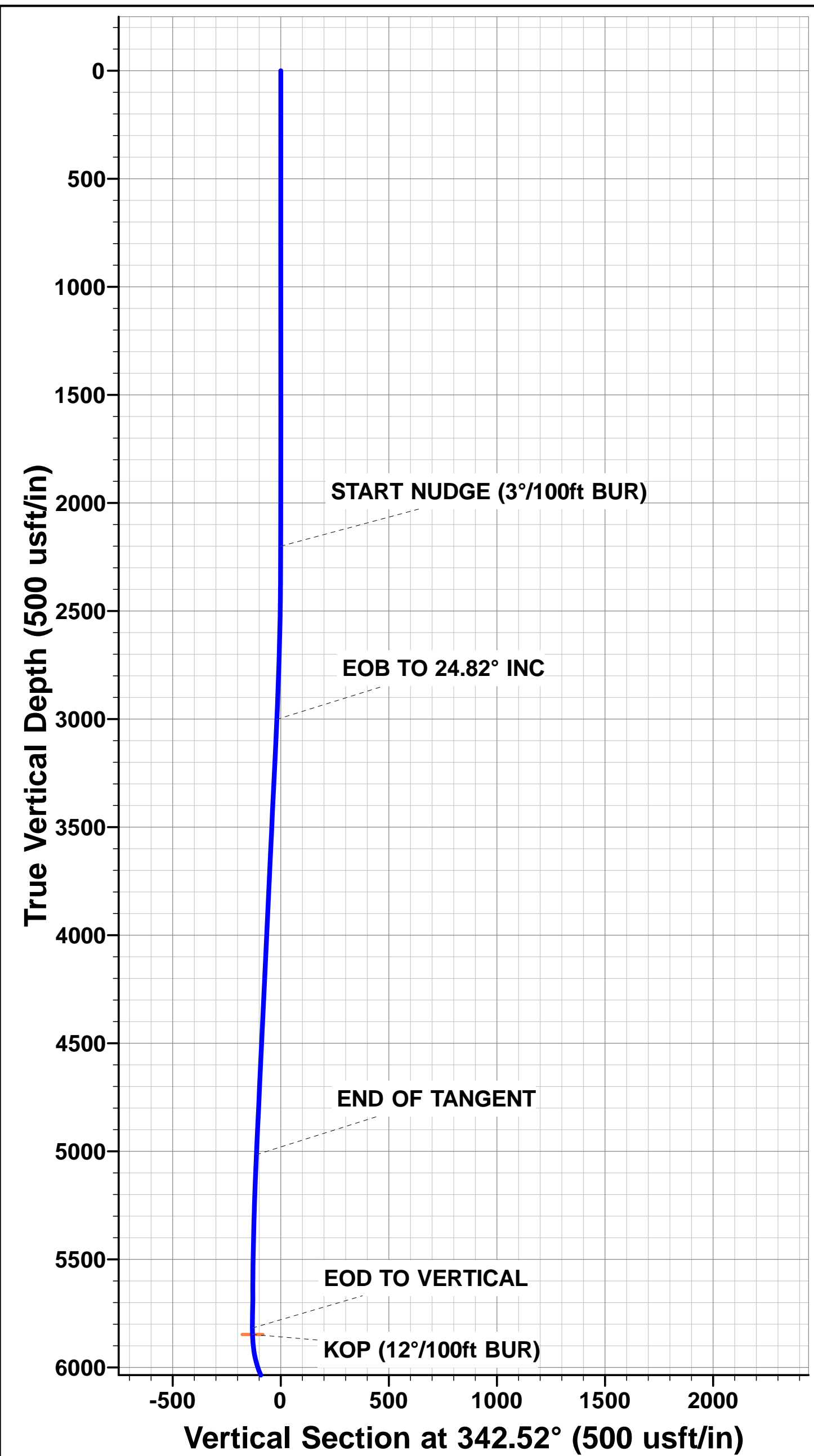
SHL: 461ft FSL & 1359ft FWL Sec 24

7" ICP: ft 531ft FSL & 160ft FWL Sec 24

BHL: 470ft FNL & 160ft FWL Sec 24

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude
BTV - NORTH PLATTE E-A-24HNC	5847.5	-508.0	-1179.7	40.377283	-104.393046
BHL - NORTH PLATTE E-A-24HNC	6350.8	4363.0	-1373.9	40.390654	-104.393744
ENTRY PNT - NORTH PLATTE E-A-24HNC	6350.8	65.6	-1202.5	40.378858	-104.393128



# Planning Report



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well NORTH PLATTE E-A-24HNC
<b>Company:</b>	BONANZA CREEK ENERGY INC.	<b>TVD Reference:</b>	KB-EST @ 4584.8usft (Original Well Elev)
<b>Project:</b>	WELD COUNTY, COLORADO	<b>MD Reference:</b>	KB-EST @ 4584.8usft (Original Well Elev)
<b>Site:</b>	SE SW SEC. 24 T5N R63W 6th P.M.	<b>North Reference:</b>	True
<b>Well:</b>	NORTH PLATTE E-A-24HNC	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	ORIGINAL WELLBORE		
<b>Design:</b>	PROPOSAL #1		

<b>Project</b>	WELD COUNTY, COLORADO		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Colorado Northern Zone		Using geodetic scale factor

<b>Site</b>	SE SW SEC. 24 T5N R63W 6th P.M.		
<b>Site Position:</b>		<b>Northing:</b>	1,382,731.88 usft
<b>From:</b>	Lat/Long	<b>Easting:</b>	3,309,546.55 usft
<b>Position Uncertainty:</b>	0.0 usft	<b>Slot Radius:</b>	1.10000ft
		<b>Latitude:</b>	40.378677
		<b>Longitude:</b>	-104.388884
		<b>Grid Convergence:</b>	0.72 °

<b>Well</b>	NORTH PLATTE E-A-24HNC		
<b>Well Position</b>	<b>+N/-S</b>	0.4 usft	<b>Northing:</b> 1,382,732.48 usft
	<b>+E/-W</b>	20.1 usft	<b>Easting:</b> 3,309,566.60 usft
<b>Position Uncertainty</b>	0.0 usft	<b>Wellhead Elevation:</b>	usft
		<b>Latitude:</b>	40.378678
		<b>Longitude:</b>	-104.388812
		<b>Ground Level:</b>	4,567.8 usft

<b>Wellbore</b>	ORIGINAL WELLBORE				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	16/01/2014	8.31	67.00	52,889

<b>Design</b>	PROPOSAL #1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>
	6,350.8	0.0	0.0	342.52

<b>Plan Sections</b>											
MD (usft)	Inc (°)	Azi (°)	Vertical Depth	SS (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	-4,584.8	0.0	0.0	0.00	0.00	0.00	0.00	
2,200.0	0.00	0.00	2,200.0	-2,384.8	0.0	0.0	0.00	0.00	0.00	0.00	
3,027.4	24.82	246.70	3,001.8	-1,583.0	-69.8	-162.1	3.00	3.00	0.00	246.70	
5,246.4	24.82	246.70	5,015.7	430.9	-438.2	-1,017.6	0.00	0.00	0.00	0.00	
6,073.8	0.00	0.00	5,817.5	1,232.7	-508.0	-1,179.7	3.00	-3.00	0.00	180.00	
6,103.8	0.00	0.00	5,847.5	1,262.7	-508.0	-1,179.7	0.00	0.00	0.00	0.00	BTV - NORTH PLATTE
6,728.8	75.00	357.72	6,308.7	1,723.9	-154.4	-1,193.8	12.00	12.00	0.00	357.72	
6,828.8	75.00	357.72	6,334.6	1,749.8	-57.9	-1,197.6	0.00	0.00	0.00	0.00	
6,953.8	90.00	357.72	6,350.8	1,766.0	65.6	-1,202.5	12.00	12.00	0.00	0.00	
11,254.6	90.00	357.71	6,350.8	1,766.0	4,363.0	-1,373.9	0.00	0.00	0.00	-78.02	BHL - NORTH PLATTE

# Planning Report



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well NORTH PLATTE E-A-24HNC
<b>Company:</b>	BONANZA CREEK ENERGY INC.	<b>TVD Reference:</b>	KB-EST @ 4584.8usft (Original Well Elev)
<b>Project:</b>	WELD COUNTY, COLORADO	<b>MD Reference:</b>	KB-EST @ 4584.8usft (Original Well Elev)
<b>Site:</b>	SE SW SEC. 24 T5N R63W 6th P.M.	<b>North Reference:</b>	True
<b>Well:</b>	NORTH PLATTE E-A-24HNC	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	ORIGINAL WELLBORE		
<b>Design:</b>	PROPOSAL #1		

## Planned Survey

MD (usft)	Inc (°)	Azi (°)	TVD (usft)	SS (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
<b>W/C: 461ft FSL &amp; 1359ft FWL Sec 24</b>										
0.0	0.00	0.00	0.0	4,584.80	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	4,484.80	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	4,384.80	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	4,284.80	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	4,184.80	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	4,084.80	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	3,984.80	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	3,884.80	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	3,784.80	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	3,684.80	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	3,584.80	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	3,484.80	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	3,384.80	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	3,284.80	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	3,184.80	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	3,084.80	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	2,984.80	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	2,884.80	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	2,784.80	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	2,684.80	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	2,584.80	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	2,484.80	0.0	0.0	0.0	0.00	0.00	0.00
<b>START NUDGE (3°/100ft BUR)</b>										
2,200.0	0.00	0.00	2,200.0	2,384.80	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	3.00	246.70	2,300.0	2,284.85	-1.0	-2.4	-0.3	3.00	3.00	0.00
2,400.0	6.00	246.70	2,399.6	2,185.17	-4.1	-9.6	-1.1	3.00	3.00	0.00
2,500.0	9.00	246.70	2,498.8	2,086.03	-9.3	-21.6	-2.4	3.00	3.00	0.00
2,600.0	12.00	246.70	2,597.1	1,987.72	-16.5	-38.3	-4.2	3.00	3.00	0.00
2,700.0	15.00	246.70	2,694.3	1,890.49	-25.7	-59.8	-6.6	3.00	3.00	0.00
2,800.0	18.00	246.70	2,790.2	1,794.62	-37.0	-85.9	-9.5	3.00	3.00	0.00
2,900.0	21.00	246.70	2,884.4	1,700.37	-50.2	-116.5	-12.9	3.00	3.00	0.00
3,000.0	24.00	246.70	2,976.8	1,607.99	-65.3	-151.7	-16.7	3.00	3.00	0.00
<b>EOB TO 24.82° INC</b>										
3,027.4	24.82	246.70	3,001.8	1,583.03	-69.8	-162.1	-17.9	3.00	3.00	0.00
3,100.0	24.82	246.70	3,067.7	1,517.15	-81.8	-190.0	-21.0	0.00	0.00	0.00
3,200.0	24.82	246.70	3,158.4	1,426.39	-98.4	-228.6	-25.2	0.00	0.00	0.00
3,300.0	24.82	246.70	3,249.2	1,335.62	-115.0	-267.2	-29.5	0.00	0.00	0.00
3,400.0	24.82	246.70	3,339.9	1,244.86	-131.6	-305.7	-33.7	0.00	0.00	0.00
3,500.0	24.82	246.70	3,430.7	1,154.10	-148.3	-344.3	-38.0	0.00	0.00	0.00
3,600.0	24.82	246.70	3,521.5	1,063.34	-164.9	-382.8	-42.3	0.00	0.00	0.00
3,700.0	24.82	246.70	3,612.2	972.58	-181.5	-421.4	-46.5	0.00	0.00	0.00
3,800.0	24.82	246.70	3,703.0	881.82	-198.1	-460.0	-50.8	0.00	0.00	0.00
3,900.0	24.82	246.70	3,793.7	791.06	-214.7	-498.5	-55.0	0.00	0.00	0.00
4,000.0	24.82	246.70	3,884.5	700.30	-231.3	-537.1	-59.3	0.00	0.00	0.00
4,100.0	24.82	246.70	3,975.3	609.53	-247.9	-575.6	-63.5	0.00	0.00	0.00
4,200.0	24.82	246.70	4,066.0	518.77	-264.5	-614.2	-67.8	0.00	0.00	0.00
4,300.0	24.82	246.70	4,156.8	428.01	-281.1	-652.7	-72.1	0.00	0.00	0.00
4,400.0	24.82	246.70	4,247.5	337.25	-297.7	-691.3	-76.3	0.00	0.00	0.00
4,500.0	24.82	246.70	4,338.3	246.49	-314.3	-729.9	-80.6	0.00	0.00	0.00
4,600.0	24.82	246.70	4,429.1	155.73	-330.9	-768.4	-84.8	0.00	0.00	0.00
4,700.0	24.82	246.70	4,519.8	64.97	-347.5	-807.0	-89.1	0.00	0.00	0.00
4,800.0	24.82	246.70	4,610.6	-25.79	-364.1	-845.5	-93.3	0.00	0.00	0.00

# Planning Report



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<b>Company:</b>	BONANZA CREEK ENERGY INC.	<b>TVD Reference:</b>	KB-EST @ 4584.8usft (Original Well Elev)
<b>Project:</b>	WELD COUNTY, COLORADO	<b>MD Reference:</b>	KB-EST @ 4584.8usft (Original Well Elev)
<b>Site:</b>	SE SW SEC. 24 T5N R63W 6th P.M.	<b>North Reference:</b>	True
<b>Well:</b>	NORTH PLATTE E-A-24HNC	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	ORIGINAL WELLBORE		
<b>Design:</b>	PROPOSAL #1		

## Planned Survey

MD (usft)	Inc (°)	Azi (°)	TVD (usft)	SS (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,900.0	24.82	246.70	4,701.4	-116.56	-380.7	-884.1	-97.6	0.00	0.00	0.00
5,000.0	24.82	246.70	4,792.1	-207.32	-397.3	-922.6	-101.8	0.00	0.00	0.00
5,100.0	24.82	246.70	4,882.9	-298.08	-413.9	-961.2	-106.1	0.00	0.00	0.00
5,200.0	24.82	246.70	4,973.6	-388.84	-430.5	-999.8	-110.4	0.00	0.00	0.00
<b>END OF TANGENT</b>										
<b>5,246.4</b>	<b>24.82</b>	<b>246.70</b>	<b>5,015.7</b>	<b>-430.93</b>	<b>-438.2</b>	<b>-1,017.6</b>	<b>-112.3</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
5,300.0	23.21	246.70	5,064.7	-479.91	-446.8	-1,037.7	-114.5	3.00	-3.00	0.00
5,400.0	20.21	246.70	5,157.6	-572.80	-461.5	-1,071.7	-118.3	3.00	-3.00	0.00
5,500.0	17.21	246.70	5,252.3	-667.51	-474.2	-1,101.1	-121.6	3.00	-3.00	0.00
5,600.0	14.21	246.70	5,348.6	-763.76	-484.9	-1,126.0	-124.3	3.00	-3.00	0.00
5,700.0	11.21	246.70	5,446.1	-861.30	-493.6	-1,146.2	-126.5	3.00	-3.00	0.00
5,800.0	8.21	246.70	5,544.7	-959.85	-500.3	-1,161.7	-128.2	3.00	-3.00	0.00
5,900.0	5.21	246.70	5,644.0	-1,059.15	-504.9	-1,172.4	-129.4	3.00	-3.00	0.00
6,000.0	2.21	246.70	5,743.7	-1,158.93	-507.4	-1,178.4	-130.1	3.00	-3.00	0.00
<b>EOD TO VERTICAL</b>										
<b>6,073.8</b>	<b>0.00</b>	<b>0.00</b>	<b>5,817.5</b>	<b>-1,232.70</b>	<b>-508.0</b>	<b>-1,179.7</b>	<b>-130.2</b>	<b>3.00</b>	<b>-3.00</b>	<b>0.00</b>
6,100.0	0.00	0.00	5,843.7	-1,258.91	-508.0	-1,179.7	-130.2	0.00	0.00	0.00
<b>KOP (12°/100ft BUR)</b>										
<b>6,103.8</b>	<b>0.00</b>	<b>0.00</b>	<b>5,847.5</b>	<b>-1,262.70</b>	<b>-508.0</b>	<b>-1,179.7</b>	<b>-130.2</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
6,200.0	11.55	357.72	5,943.1	-1,358.26	-498.3	-1,180.1	-120.9	12.00	12.00	0.00
6,300.0	23.55	357.72	6,038.2	-1,453.44	-468.3	-1,181.3	-91.9	12.00	12.00	0.00
6,400.0	35.55	357.72	6,125.1	-1,540.28	-419.1	-1,183.2	-44.4	12.00	12.00	0.00
6,500.0	47.55	357.72	6,199.8	-1,614.98	-352.9	-1,185.9	19.5	12.00	12.00	0.00
6,600.0	59.55	357.72	6,259.1	-1,674.29	-272.7	-1,189.1	97.0	12.00	12.00	0.00
6,700.0	71.55	357.72	6,300.4	-1,715.61	-181.9	-1,192.7	184.7	12.00	12.00	0.00
<b>START OF TANGENT</b>										
<b>6,728.8</b>	<b>75.00</b>	<b>357.72</b>	<b>6,308.7</b>	<b>-1,723.90</b>	<b>-154.4</b>	<b>-1,193.8</b>	<b>211.3</b>	<b>12.00</b>	<b>12.00</b>	<b>0.00</b>
6,800.0	75.00	357.72	6,327.1	-1,742.33	-85.7	-1,196.5	277.7	0.00	0.00	0.00
<b>END OF TANGENT</b>										
<b>6,828.8</b>	<b>75.00</b>	<b>357.72</b>	<b>6,334.6</b>	<b>-1,749.78</b>	<b>-57.9</b>	<b>-1,197.6</b>	<b>304.5</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
6,900.0	83.55	357.72	6,347.8	-1,763.02	12.0	-1,200.4	372.0	12.00	12.00	0.00
<b>ENTRY PNT: 531ft FSL &amp; 160ft FWL Sec 24</b>										
<b>6,953.8</b>	<b>90.00</b>	<b>357.72</b>	<b>6,350.8</b>	<b>-1,766.05</b>	<b>65.6</b>	<b>-1,202.5</b>	<b>423.8</b>	<b>12.00</b>	<b>12.00</b>	<b>0.00</b>
7,000.0	90.00	357.72	6,350.8	-1,766.05	111.8	-1,204.4	468.4	0.00	0.00	0.00
7,100.0	90.00	357.72	6,350.8	-1,766.05	211.7	-1,208.4	564.9	0.00	0.00	0.00
7,200.0	90.00	357.72	6,350.8	-1,766.05	311.6	-1,212.3	661.4	0.00	0.00	0.00
7,300.0	90.00	357.72	6,350.8	-1,766.05	411.5	-1,216.3	757.9	0.00	0.00	0.00
7,400.0	90.00	357.72	6,350.8	-1,766.05	511.5	-1,220.3	854.4	0.00	0.00	0.00
7,500.0	90.00	357.72	6,350.8	-1,766.05	611.4	-1,224.3	950.9	0.00	0.00	0.00
7,600.0	90.00	357.72	6,350.8	-1,766.05	711.3	-1,228.3	1,047.4	0.00	0.00	0.00
7,700.0	90.00	357.72	6,350.8	-1,766.05	811.2	-1,232.2	1,143.9	0.00	0.00	0.00
7,800.0	90.00	357.72	6,350.8	-1,766.04	911.1	-1,236.2	1,240.4	0.00	0.00	0.00
7,900.0	90.00	357.72	6,350.8	-1,766.04	1,011.1	-1,240.2	1,336.9	0.00	0.00	0.00
8,000.0	90.00	357.72	6,350.8	-1,766.04	1,111.0	-1,244.2	1,433.4	0.00	0.00	0.00
8,100.0	90.00	357.72	6,350.8	-1,766.04	1,210.9	-1,248.2	1,529.9	0.00	0.00	0.00
8,200.0	90.00	357.72	6,350.8	-1,766.04	1,310.8	-1,252.1	1,626.4	0.00	0.00	0.00
8,300.0	90.00	357.72	6,350.8	-1,766.04	1,410.8	-1,256.1	1,722.9	0.00	0.00	0.00
8,400.0	90.00	357.72	6,350.8	-1,766.04	1,510.7	-1,260.1	1,819.4	0.00	0.00	0.00
8,500.0	90.00	357.72	6,350.8	-1,766.04	1,610.6	-1,264.1	1,915.9	0.00	0.00	0.00
8,600.0	90.00	357.72	6,350.8	-1,766.04	1,710.5	-1,268.1	2,012.4	0.00	0.00	0.00
8,700.0	90.00	357.72	6,350.8	-1,766.04	1,810.4	-1,272.0	2,108.9	0.00	0.00	0.00
8,800.0	90.00	357.72	6,350.8	-1,766.04	1,910.4	-1,276.0	2,205.4	0.00	0.00	0.00
8,900.0	90.00	357.72	6,350.8	-1,766.04	2,010.3	-1,280.0	2,301.9	0.00	0.00	0.00



# Planning Report



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well NORTH PLATTE E-A-24HNC
<b>Company:</b>	BONANZA CREEK ENERGY INC.	<b>TVD Reference:</b>	KB-EST @ 4584.8usft (Original Well Elev)
<b>Project:</b>	WELD COUNTY, COLORADO	<b>MD Reference:</b>	KB-EST @ 4584.8usft (Original Well Elev)
<b>Site:</b>	SE SW SEC. 24 T5N R63W 6th P.M.	<b>North Reference:</b>	True
<b>Well:</b>	NORTH PLATTE E-A-24HNC	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	ORIGINAL WELLBORE		
<b>Design:</b>	PROPOSAL #1		

## Planned Survey

MD (usft)	Inc (°)	Azi (°)	TVD (usft)	SS (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,000.0	90.00	357.72	6,350.8	-1,766.04	2,110.2	-1,284.0	2,398.4	0.00	0.00	0.00
9,100.0	90.00	357.72	6,350.8	-1,766.04	2,210.1	-1,288.0	2,494.9	0.00	0.00	0.00
9,200.0	90.00	357.72	6,350.8	-1,766.03	2,310.0	-1,292.0	2,591.4	0.00	0.00	0.00
9,300.0	90.00	357.72	6,350.8	-1,766.03	2,410.0	-1,295.9	2,687.9	0.00	0.00	0.00
9,400.0	90.00	357.72	6,350.8	-1,766.03	2,509.9	-1,299.9	2,784.4	0.00	0.00	0.00
9,500.0	90.00	357.72	6,350.8	-1,766.03	2,609.8	-1,303.9	2,880.9	0.00	0.00	0.00
9,600.0	90.00	357.72	6,350.8	-1,766.03	2,709.7	-1,307.9	2,977.4	0.00	0.00	0.00
9,700.0	90.00	357.72	6,350.8	-1,766.03	2,809.6	-1,311.9	3,073.9	0.00	0.00	0.00
9,800.0	90.00	357.72	6,350.8	-1,766.03	2,909.6	-1,315.9	3,170.4	0.00	0.00	0.00
9,900.0	90.00	357.72	6,350.8	-1,766.02	3,009.5	-1,319.9	3,266.9	0.00	0.00	0.00
10,000.0	90.00	357.72	6,350.8	-1,766.02	3,109.4	-1,323.8	3,363.5	0.00	0.00	0.00
10,100.0	90.00	357.72	6,350.8	-1,766.02	3,209.3	-1,327.8	3,460.0	0.00	0.00	0.00
10,200.0	90.00	357.72	6,350.8	-1,766.02	3,309.2	-1,331.8	3,556.5	0.00	0.00	0.00
10,300.0	90.00	357.72	6,350.8	-1,766.02	3,409.2	-1,335.8	3,653.0	0.00	0.00	0.00
10,400.0	90.00	357.72	6,350.8	-1,766.02	3,509.1	-1,339.8	3,749.5	0.00	0.00	0.00
10,500.0	90.00	357.72	6,350.8	-1,766.01	3,609.0	-1,343.8	3,846.0	0.00	0.00	0.00
10,600.0	90.00	357.72	6,350.8	-1,766.01	3,708.9	-1,347.8	3,942.5	0.00	0.00	0.00
10,700.0	90.00	357.71	6,350.8	-1,766.01	3,808.8	-1,351.7	4,039.0	0.00	0.00	0.00
10,800.0	90.00	357.71	6,350.8	-1,766.01	3,908.8	-1,355.7	4,135.5	0.00	0.00	0.00
10,900.0	90.00	357.71	6,350.8	-1,766.01	4,008.7	-1,359.7	4,232.0	0.00	0.00	0.00
11,000.0	90.00	357.71	6,350.8	-1,766.01	4,108.6	-1,363.7	4,328.5	0.00	0.00	0.00
11,100.0	90.00	357.71	6,350.8	-1,766.00	4,208.5	-1,367.7	4,425.0	0.00	0.00	0.00
11,200.0	90.00	357.71	6,350.8	-1,766.00	4,308.4	-1,371.7	4,521.5	0.00	0.00	0.00
<b>BHL - 470ft FNL &amp; 160ft FWL Sec 24</b>										
<b>11,254.6</b>	<b>90.00</b>	<b>357.71</b>	<b>6,350.8</b>	<b>-1,766.00</b>	<b>4,363.0</b>	<b>-1,373.9</b>	<b>4,574.2</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

## Plan Annotations

MD (usft)	TVD (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
0.0	0.0	0.0	0.0	W/C: 461ft FSL & 1359ft FWL Sec 24
2,200.0	2,200.0	0.0	0.0	START NUDGE (3°/100ft BUR)
3,027.4	3,001.8	-69.8	-162.1	EOB TO 24.82° INC
5,246.4	5,015.7	-438.2	-1,017.6	END OF TANGENT
6,073.8	5,817.5	-508.0	-1,179.7	EOD TO VERTICAL
6,103.8	5,847.5	-508.0	-1,179.7	KOP (12°/100ft BUR)
6,728.8	6,308.7	-154.4	-1,193.8	START OF TANGENT
6,828.8	6,334.6	-57.9	-1,197.6	END OF TANGENT
6,953.8	6,350.8	65.6	-1,202.5	ENTRY PNT: 531ft FSL & 160ft FWL Sec 24
11,254.6	6,350.8	4,363.0	-1,373.9	BHL - 470ft FNL & 160ft FWL Sec 24