

BONANZA CREEK ENERGY INC.

WELD COUNTY, COLORADO (NAD 83)

SE SW SEC. 27 T5N R63W 6th P.M.

NORTH PLATTE P31-T34-34HNB (NEW SHL)

NEW SHL

26 August, 2015

Plan: PROPOSAL #4





Project: WELD COUNTY, COLORADO (NAD 83)
Site: SE SW SEC. 27 T5N R63W 6th P.M.
Well: NORTH PLATTE P31-T34-34HNB (NEW SHL)
Wellbore: NEW SHL
Design: PROPOSAL #4

ANNOTATIONS

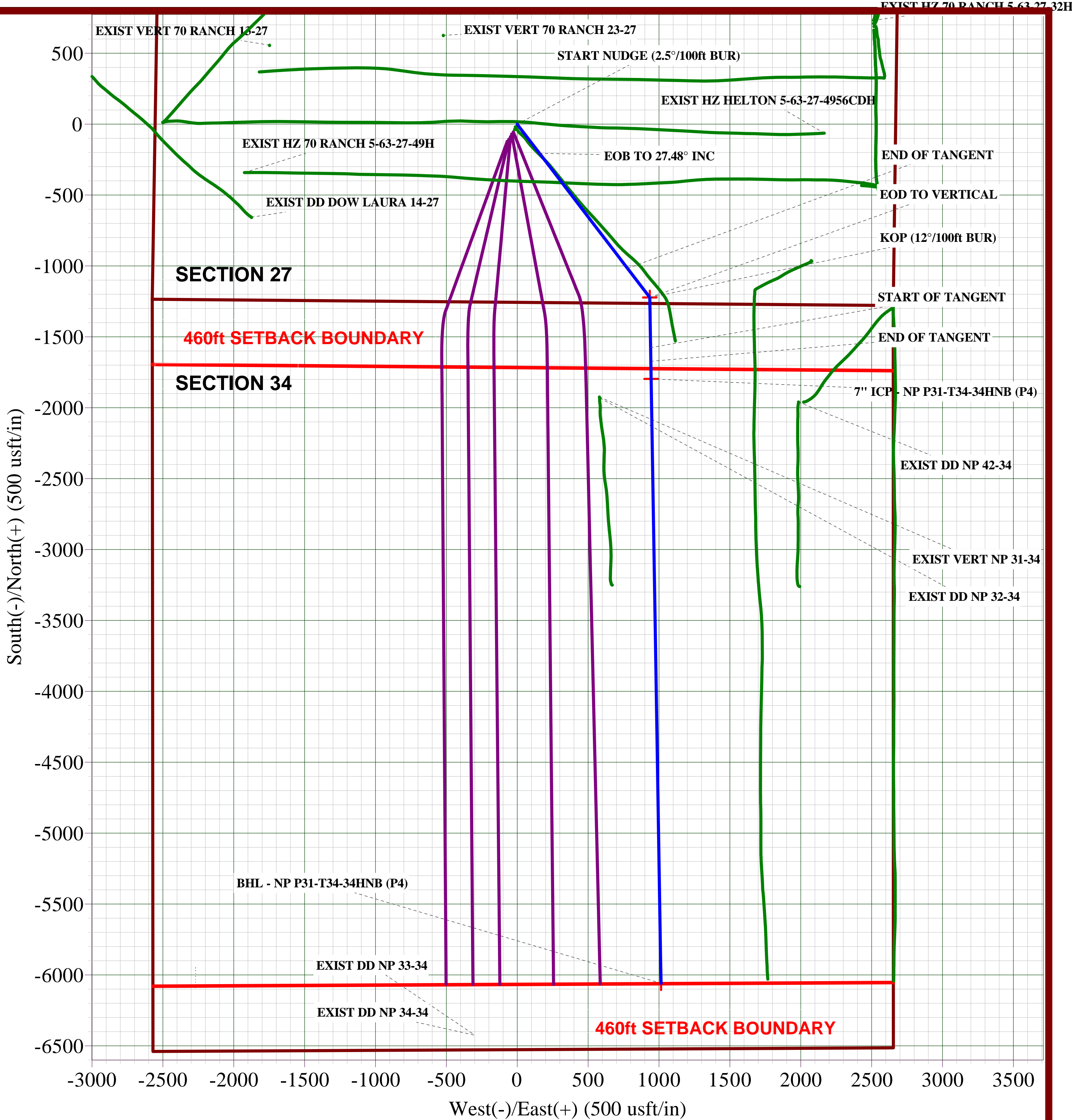
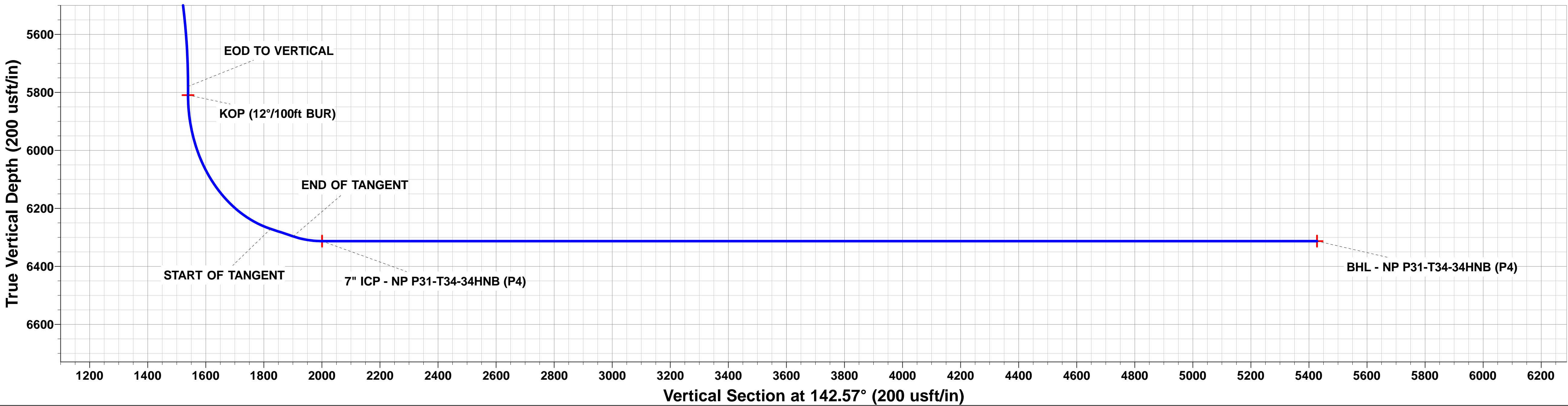
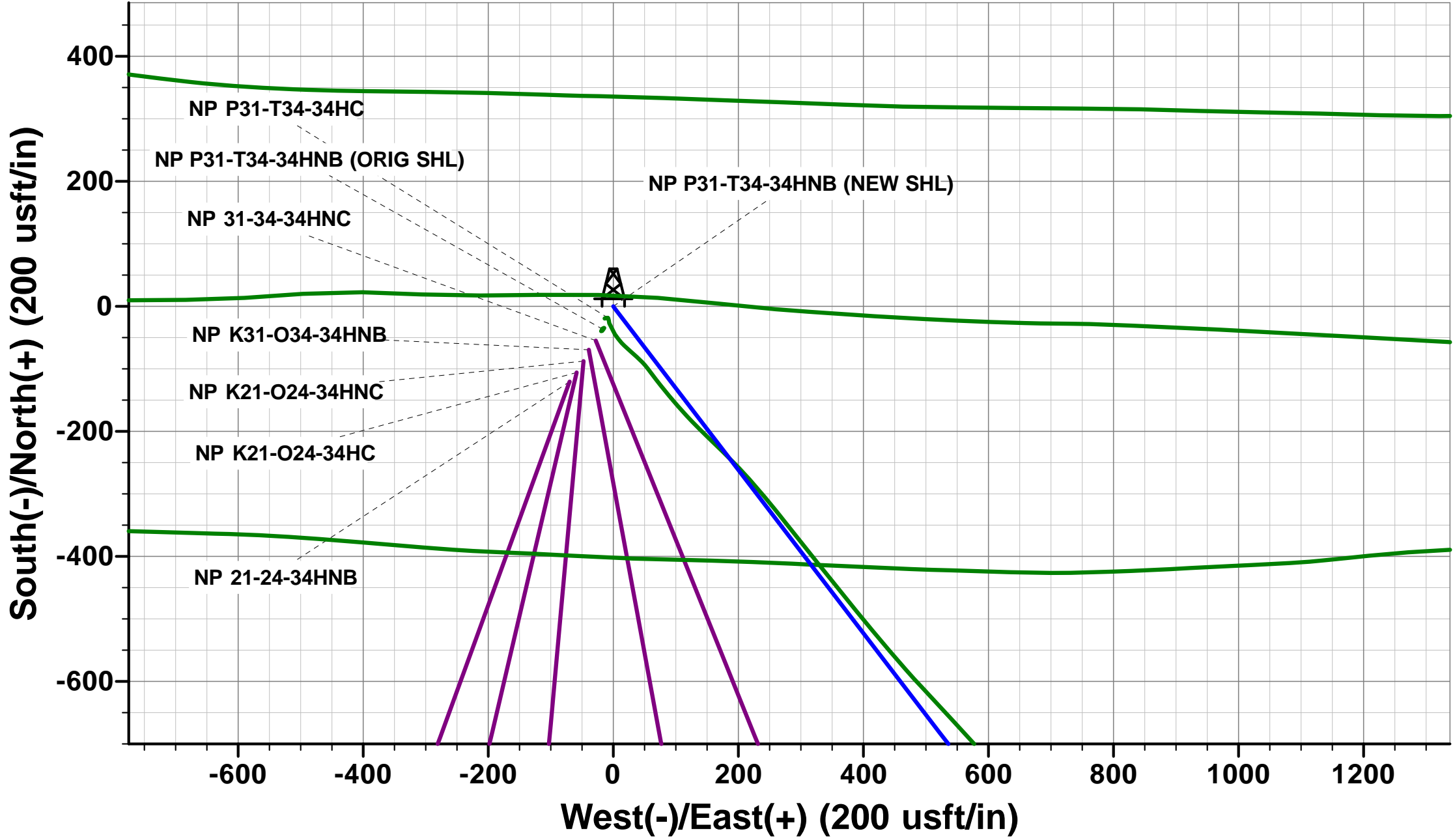
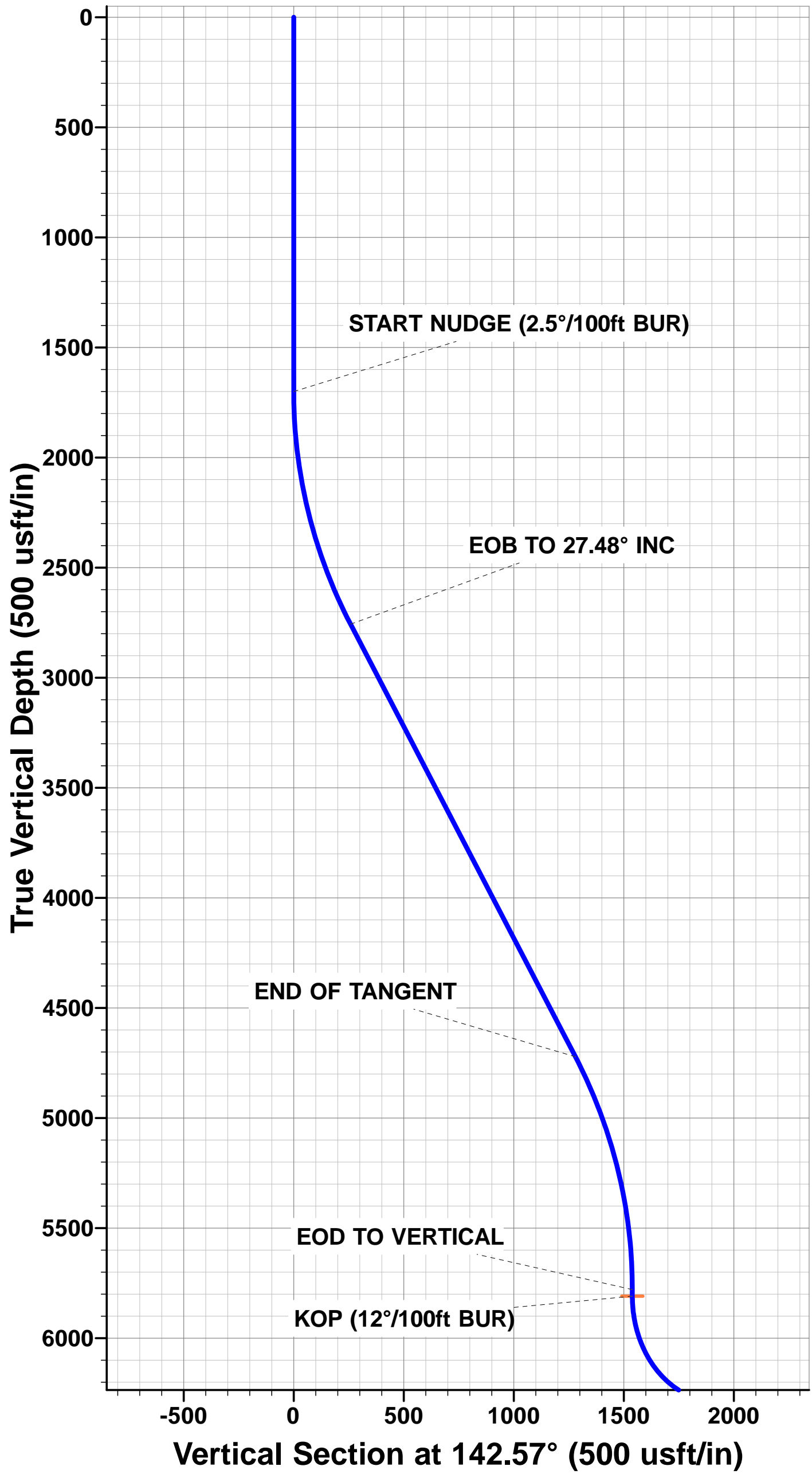
TVD	MD	Inc	Azi	+N/-S	+E/-W	VSec	Dep	Annotation
1700.0	1700.0	0.00	0.00	0.0	0.0	0.0	0.0	START NUDGE (2.5°/100ft BUR)
2757.5	2799.1	27.48	142.57	-205.3	157.1	228.4	258.5	EOB TO 27.48° INC
4722.2	5013.7	27.48	142.57	-1016.7	778.2	1131.3	1280.3	END OF TANGENT
5779.7	6112.8	0.00	142.57	-1222.0	935.3	1359.7	1538.9	EOD TO VERTICAL
5809.7	6142.8	0.00	0.00	-1222.0	935.3	1359.7	1538.9	KOP (12°/100ft BUR)
6270.9	6767.8	75.00	179.06	-1575.9	941.1	1709.7	1892.8	START OF TANGENT
6296.8	6867.8	75.00	179.06	-1672.4	942.7	1805.2	1989.3	END OF TANGENT
6313.0	6992.8	90.00	179.06	-1796.0	944.7	1927.4	2112.9	ICP - NP P31-T34-34HNB (P4)
6313.0	11255.8	90.00	179.06	-6058.4	1014.5	6142.8	6375.9	BHL - NP P31-T34-34HNB (P4)

PROPOSED LOCAL COORDINATES:

SHL: 1256ft FSL & 2531ft FWL Sec 27
7" ICP : 531ft FNL & 1709ft FEL Sec 34
BHL: 470ft FSL & 1639ft FEL Sec 34

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude
KOP - NP P31-T34-34HNB (P4)	5809.7	-1222.0	935.3	40.363315	-104.418834
7" ICP - NP P31-T34-34HNB (P4)	6313.0	-1796.0	944.7	40.361740	-104.418800
BHL - NP P31-T34-34HNB (P4)	6313.0	-6058.4	1014.5	40.350040	-104.418550



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well NORTH PLATTE P31-T34-34HNB (NEW SHL)
Company:	BONANZA CREEK ENERGY INC.	TVD Reference:	KB @ 4558.0usft (XTREME 22)
Project:	WELD COUNTY, COLORADO (NAD 83)	MD Reference:	KB @ 4558.0usft (XTREME 22)
Site:	SE SW SEC. 27 T5N R63W 6th P.M.	North Reference:	True
Well:	NORTH PLATTE P31-T34-34HNB (NEW SHL)	Survey Calculation Method:	Minimum Curvature
Wellbore:	NEW SHL		
Design:	PROPOSAL #4		

Project	WELD COUNTY, COLORADO (NAD 83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		Using geodetic scale factor

Site	SE SW SEC. 27 T5N R63W 6th P.M.				
Site Position:		Northing:	1,378,104.19 usft	Latitude:	40.366290
From:	Lat/Long	Easting:	3,300,242.31 usft	Longitude:	-104.422480
Position Uncertainty:	0.0 usft	Slot Radius:	1.10000ft	Grid Convergence:	0.70 °

Well	NORTH PLATTE P31-T34-34HNB (NEW SHL)					
Well Position	+N/-S	138.4 usft	Northing:	1,378,243.57 usft	Latitude:	40.366670
	+E/-W	80.9 usft	Easting:	3,300,321.47 usft	Longitude:	-104.422190
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	4,541.0 usft

Wellbore	NEW SHL				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	26/08/2015	8.22	66.93	52,620

Design	PROPOSAL #4			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	5,809.7	0.0	0.0	142.57

Plan Sections											
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	-4,558.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,700.0	0.00	0.00	1,700.0	-2,858.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,799.1	27.48	142.57	2,757.4	-1,800.6	-205.3	157.1	2.50	2.50	0.00	142.57	
5,013.7	27.48	142.57	4,722.3	164.3	-1,016.7	778.2	0.00	0.00	0.00	0.00	
6,112.8	0.00	0.00	5,779.7	1,221.7	-1,222.0	935.3	2.50	-2.50	0.00	180.00	
6,142.8	0.00	0.00	5,809.7	1,251.7	-1,222.0	935.3	0.00	0.00	0.00	0.00	KOP - NP P31-T34-
6,767.8	75.00	179.06	6,270.9	1,712.9	-1,575.9	941.1	12.00	12.00	0.00	179.06	
6,867.8	75.00	179.06	6,296.8	1,738.8	-1,672.5	942.7	0.00	0.00	0.00	0.00	
6,992.8	90.00	179.06	6,313.0	1,755.0	-1,796.0	944.7	12.00	12.00	0.00	0.00	
11,255.8	90.00	179.06	6,313.0	1,755.0	-6,058.4	1,014.5	0.00	0.00	0.00	67.81	BHL - NP P31-T34-

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Project:	WELD COUNTY, COLORADO (NAD 83)	MD Reference:	KB @ 4558.0usft (XTREME 22)
Site:	SE SW SEC. 27 T5N R63W 6th P.M.	North Reference:	True
Well:	NORTH PLATTE P31-T34-34HNB (NEW SHL)	Survey Calculation Method:	Minimum Curvature
Wellbore:	NEW SHL		
Design:	PROPOSAL #4		

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)
0.0	0.00	0.00	0.0	4,558.00	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	4,458.00	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	4,358.00	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	4,258.00	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	4,158.00	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	4,058.00	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	3,958.00	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	3,858.00	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	3,758.00	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	3,658.00	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	3,558.00	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	3,458.00	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	3,358.00	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	3,258.00	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	3,158.00	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	3,058.00	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	2,958.00	0.0	0.0	0.0	0.00	0.00	0.00
START NUDGE (2.5°/100ft BUR)										
1,700.0	0.00	0.00	1,700.0	2,858.00	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	2.50	142.57	1,800.0	2,758.03	-1.7	1.3	2.2	2.50	2.50	0.00
1,900.0	5.00	142.57	1,899.7	2,658.25	-6.9	5.3	8.7	2.50	2.50	0.00
2,000.0	7.50	142.57	1,999.1	2,558.86	-15.6	11.9	19.6	2.50	2.50	0.00
2,100.0	10.00	142.57	2,098.0	2,460.03	-27.6	21.2	34.8	2.50	2.50	0.00
2,200.0	12.50	142.57	2,196.0	2,361.96	-43.1	33.0	54.3	2.50	2.50	0.00
2,300.0	15.00	142.57	2,293.2	2,264.83	-62.0	47.5	78.1	2.50	2.50	0.00
2,400.0	17.50	142.57	2,389.2	2,168.83	-84.2	64.5	106.1	2.50	2.50	0.00
2,500.0	20.00	142.57	2,483.9	2,074.15	-109.8	84.0	138.2	2.50	2.50	0.00
2,600.0	22.50	142.57	2,577.0	1,980.95	-138.5	106.0	174.5	2.50	2.50	0.00
2,700.0	25.00	142.57	2,668.6	1,889.43	-170.5	130.5	214.7	2.50	2.50	0.00
EOB TO 27.48° INC										
2,799.1	27.48	142.57	2,757.5	1,800.55	-205.3	157.1	258.5	2.50	2.50	0.00
2,800.0	27.48	142.57	2,758.2	1,799.75	-205.6	157.4	259.0	0.00	0.00	0.00
2,900.0	27.48	142.57	2,847.0	1,711.03	-242.3	185.4	305.1	0.00	0.00	0.00
3,000.0	27.48	142.57	2,935.7	1,622.31	-278.9	213.5	351.2	0.00	0.00	0.00
3,100.0	27.48	142.57	3,024.4	1,533.59	-315.6	241.5	397.4	0.00	0.00	0.00
3,200.0	27.48	142.57	3,113.1	1,444.87	-352.2	269.6	443.5	0.00	0.00	0.00
3,300.0	27.48	142.57	3,201.8	1,356.15	-388.8	297.6	489.6	0.00	0.00	0.00
3,400.0	27.48	142.57	3,290.6	1,267.43	-425.5	325.6	535.8	0.00	0.00	0.00
3,500.0	27.48	142.57	3,379.3	1,178.71	-462.1	353.7	581.9	0.00	0.00	0.00
3,600.0	27.48	142.57	3,468.0	1,089.99	-498.8	381.7	628.1	0.00	0.00	0.00
3,700.0	27.48	142.57	3,556.7	1,001.27	-535.4	409.8	674.2	0.00	0.00	0.00
3,800.0	27.48	142.57	3,645.4	912.55	-572.0	437.8	720.3	0.00	0.00	0.00
3,900.0	27.48	142.57	3,734.2	823.83	-608.7	465.8	766.5	0.00	0.00	0.00
4,000.0	27.48	142.57	3,822.9	735.11	-645.3	493.9	812.6	0.00	0.00	0.00
4,100.0	27.48	142.57	3,911.6	646.39	-681.9	521.9	858.8	0.00	0.00	0.00
4,200.0	27.48	142.57	4,000.3	557.67	-718.6	550.0	904.9	0.00	0.00	0.00
4,300.0	27.48	142.57	4,089.0	468.95	-755.2	578.0	951.0	0.00	0.00	0.00
4,400.0	27.48	142.57	4,177.8	380.24	-791.9	606.1	997.2	0.00	0.00	0.00
4,500.0	27.48	142.57	4,266.5	291.52	-828.5	634.1	1,043.3	0.00	0.00	0.00
4,600.0	27.48	142.57	4,355.2	202.80	-865.1	662.1	1,089.5	0.00	0.00	0.00
4,700.0	27.48	142.57	4,443.9	114.08	-901.8	690.2	1,135.6	0.00	0.00	0.00
4,800.0	27.48	142.57	4,532.6	25.36	-938.4	718.2	1,181.7	0.00	0.00	0.00

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Project:	WELD COUNTY, COLORADO (NAD 83)	MD Reference:	KB @ 4558.0usft (XTREME 22)
Site:	SE SW SEC. 27 T5N R63W 6th P.M.	North Reference:	True
Well:	NORTH PLATTE P31-T34-34HNB (NEW SHL)	Survey Calculation Method:	Minimum Curvature
Wellbore:	NEW SHL		
Design:	PROPOSAL #4		

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	27.48	142.57	4,621.4	-63.36	-975.1	746.3	1,227.9	0.00	0.00	0.00
5,000.0	27.48	142.57	4,710.1	-152.08	-1,011.7	774.3	1,274.0	0.00	0.00	0.00
END OF TANGENT										
5,013.7	27.48	142.57	4,722.2	-164.24	-1,016.7	778.2	1,280.3	0.00	0.00	0.00
5,100.0	25.32	142.57	4,799.5	-241.53	-1,047.2	801.5	1,318.7	2.50	-2.50	0.00
5,200.0	22.82	142.57	4,890.8	-332.83	-1,079.6	826.3	1,359.5	2.50	-2.50	0.00
5,300.0	20.32	142.57	4,983.8	-425.82	-1,108.8	848.6	1,396.2	2.50	-2.50	0.00
5,400.0	17.82	142.57	5,078.3	-520.32	-1,134.7	868.5	1,428.9	2.50	-2.50	0.00
5,500.0	15.32	142.57	5,174.2	-616.16	-1,157.4	885.8	1,457.4	2.50	-2.50	0.00
5,600.0	12.82	142.57	5,271.2	-713.16	-1,176.7	900.6	1,481.7	2.50	-2.50	0.00
5,700.0	10.32	142.57	5,369.1	-811.12	-1,192.6	912.8	1,501.8	2.50	-2.50	0.00
5,800.0	7.82	142.57	5,467.9	-909.86	-1,205.1	922.3	1,517.6	2.50	-2.50	0.00
5,900.0	5.32	142.57	5,567.2	-1,009.19	-1,214.2	929.3	1,529.0	2.50	-2.50	0.00
6,000.0	2.82	142.57	5,666.9	-1,108.93	-1,219.8	933.6	1,536.1	2.50	-2.50	0.00
6,100.0	0.32	142.57	5,766.9	-1,208.89	-1,222.0	935.3	1,538.8	2.50	-2.50	0.00
EOD TO VERTICAL										
6,112.8	0.00	142.57	5,779.7	-1,221.69	-1,222.0	935.3	1,538.9	2.50	-2.50	0.00
KOP (12°/100ft BUR)										
6,142.8	0.00	0.00	5,809.7	-1,251.69	-1,222.0	935.3	1,538.9	0.00	0.00	0.00
6,200.0	6.86	179.06	5,866.8	-1,308.75	-1,225.5	935.3	1,541.6	12.00	12.00	0.00
6,300.0	18.86	179.06	5,964.1	-1,406.06	-1,247.7	935.7	1,559.5	12.00	12.00	0.00
6,400.0	30.86	179.06	6,054.6	-1,496.63	-1,289.6	936.4	1,593.2	12.00	12.00	0.00
6,500.0	42.86	179.06	6,134.5	-1,576.49	-1,349.5	937.4	1,641.4	12.00	12.00	0.00
6,600.0	54.86	179.06	6,200.2	-1,642.16	-1,424.7	938.6	1,701.8	12.00	12.00	0.00
6,700.0	66.86	179.06	6,248.8	-1,690.76	-1,511.8	940.0	1,771.9	12.00	12.00	0.00
START OF TANGENT										
6,767.8	75.00	179.06	6,270.9	-1,712.89	-1,575.9	941.1	1,823.4	12.00	12.00	0.00
6,800.0	75.00	179.06	6,279.2	-1,721.23	-1,607.0	941.6	1,848.4	0.00	0.00	0.00
END OF TANGENT										
6,867.8	75.00	179.06	6,296.8	-1,738.77	-1,672.4	942.7	1,901.0	0.00	0.00	0.00
6,900.0	78.86	179.06	6,304.1	-1,746.05	-1,703.8	943.2	1,926.3	12.00	12.00	0.00
ICP - NP P31-T34-34HNB (P4)										
6,992.8	90.00	179.06	6,313.0	-1,755.05	-1,796.0	944.7	2,000.4	12.00	12.00	0.00
7,000.0	90.00	179.06	6,313.0	-1,755.05	-1,803.2	944.8	2,006.2	0.02	0.02	0.00
7,100.0	90.00	179.06	6,313.0	-1,755.05	-1,903.2	946.5	2,086.6	0.00	0.00	0.00
7,200.0	90.00	179.06	6,313.0	-1,755.05	-2,003.2	948.1	2,167.0	0.00	0.00	0.00
7,300.0	90.00	179.06	6,313.0	-1,755.05	-2,103.2	949.7	2,247.4	0.00	0.00	0.00
7,400.0	90.00	179.06	6,313.0	-1,755.05	-2,203.1	951.4	2,327.8	0.00	0.00	0.00
7,500.0	90.00	179.06	6,313.0	-1,755.05	-2,303.1	953.0	2,408.2	0.00	0.00	0.00
7,600.0	90.00	179.06	6,313.0	-1,755.05	-2,403.1	954.7	2,488.6	0.00	0.00	0.00
7,700.0	90.00	179.06	6,313.0	-1,755.05	-2,503.1	956.3	2,569.0	0.00	0.00	0.00
7,800.0	90.00	179.06	6,313.0	-1,755.05	-2,603.1	957.9	2,649.4	0.00	0.00	0.00
7,900.0	90.00	179.06	6,313.0	-1,755.04	-2,703.1	959.6	2,729.8	0.00	0.00	0.00
8,000.0	90.00	179.06	6,313.0	-1,755.04	-2,803.1	961.2	2,810.2	0.00	0.00	0.00
8,100.0	90.00	179.06	6,313.0	-1,755.04	-2,903.1	962.9	2,890.5	0.00	0.00	0.00
8,200.0	90.00	179.06	6,313.0	-1,755.04	-3,003.0	964.5	2,970.9	0.00	0.00	0.00
8,300.0	90.00	179.06	6,313.0	-1,755.04	-3,103.0	966.1	3,051.3	0.00	0.00	0.00
8,400.0	90.00	179.06	6,313.0	-1,755.04	-3,203.0	967.8	3,131.7	0.00	0.00	0.00
8,500.0	90.00	179.06	6,313.0	-1,755.04	-3,303.0	969.4	3,212.1	0.00	0.00	0.00
8,600.0	90.00	179.06	6,313.0	-1,755.04	-3,403.0	971.1	3,292.5	0.00	0.00	0.00
8,700.0	90.00	179.06	6,313.0	-1,755.04	-3,503.0	972.7	3,372.9	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well NORTH PLATTE P31-T34-34HNB (NEW SHL)
Company:	BONANZA CREEK ENERGY INC.	TVD Reference:	KB @ 4558.0usft (XTREME 22)
Project:	WELD COUNTY, COLORADO (NAD 83)	MD Reference:	KB @ 4558.0usft (XTREME 22)
Site:	SE SW SEC. 27 T5N R63W 6th P.M.	North Reference:	True
Well:	NORTH PLATTE P31-T34-34HNB (NEW SHL)	Survey Calculation Method:	Minimum Curvature
Wellbore:	NEW SHL		
Design:	PROPOSAL #4		

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)
8,800.0	90.00	179.06	6,313.0	-1,755.04	-3,603.0	974.3	3,453.3	0.00	0.00	0.00
8,900.0	90.00	179.06	6,313.0	-1,755.04	-3,702.9	976.0	3,533.7	0.00	0.00	0.00
9,000.0	90.00	179.06	6,313.0	-1,755.04	-3,802.9	977.6	3,614.1	0.00	0.00	0.00
9,100.0	90.00	179.06	6,313.0	-1,755.04	-3,902.9	979.2	3,694.5	0.00	0.00	0.00
9,200.0	90.00	179.06	6,313.0	-1,755.03	-4,002.9	980.9	3,774.9	0.00	0.00	0.00
9,300.0	90.00	179.06	6,313.0	-1,755.03	-4,102.9	982.5	3,855.3	0.00	0.00	0.00
9,400.0	90.00	179.06	6,313.0	-1,755.03	-4,202.9	984.2	3,935.7	0.00	0.00	0.00
9,500.0	90.00	179.06	6,313.0	-1,755.03	-4,302.9	985.8	4,016.1	0.00	0.00	0.00
9,600.0	90.00	179.06	6,313.0	-1,755.03	-4,402.9	987.4	4,096.5	0.00	0.00	0.00
9,700.0	90.00	179.06	6,313.0	-1,755.03	-4,502.8	989.1	4,176.9	0.00	0.00	0.00
9,800.0	90.00	179.06	6,313.0	-1,755.03	-4,602.8	990.7	4,257.3	0.00	0.00	0.00
9,900.0	90.00	179.06	6,313.0	-1,755.02	-4,702.8	992.3	4,337.7	0.00	0.00	0.00
10,000.0	90.00	179.06	6,313.0	-1,755.02	-4,802.8	994.0	4,418.1	0.00	0.00	0.00
10,100.0	90.00	179.06	6,313.0	-1,755.02	-4,902.8	995.6	4,498.5	0.00	0.00	0.00
10,200.0	90.00	179.06	6,313.0	-1,755.02	-5,002.8	997.3	4,578.9	0.00	0.00	0.00
10,300.0	90.00	179.06	6,313.0	-1,755.02	-5,102.8	998.9	4,659.3	0.00	0.00	0.00
10,400.0	90.00	179.06	6,313.0	-1,755.02	-5,202.7	1,000.5	4,739.6	0.00	0.00	0.00
10,500.0	90.00	179.06	6,313.0	-1,755.02	-5,302.7	1,002.2	4,820.0	0.00	0.00	0.00
10,600.0	90.00	179.06	6,313.0	-1,755.01	-5,402.7	1,003.8	4,900.4	0.00	0.00	0.00
10,700.0	90.00	179.06	6,313.0	-1,755.01	-5,502.7	1,005.4	4,980.8	0.00	0.00	0.00
10,800.0	90.00	179.06	6,313.0	-1,755.01	-5,602.7	1,007.1	5,061.2	0.00	0.00	0.00
10,900.0	90.00	179.06	6,313.0	-1,755.01	-5,702.7	1,008.7	5,141.6	0.00	0.00	0.00
11,000.0	90.00	179.06	6,313.0	-1,755.01	-5,802.7	1,010.3	5,222.0	0.00	0.00	0.00
11,100.0	90.00	179.06	6,313.0	-1,755.00	-5,902.7	1,012.0	5,302.4	0.00	0.00	0.00
11,200.0	90.00	179.06	6,313.0	-1,755.00	-6,002.6	1,013.6	5,382.8	0.00	0.00	0.00
BHL - NP P31-T34-34HNB (P4)										
11,255.8	90.00	179.06	6,313.0	-1,755.00	-6,058.4	1,014.5	5,427.6	0.00	0.00	0.00

Plan Annotations

MD (usft)	TVD (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,700.0	1,700.0	0.0	0.0	START NUDGE (2.5°/100ft BUR)
2,799.1	2,757.5	-205.3	157.1	EOB TO 27.48° INC
5,013.7	4,722.2	-1,016.7	778.2	END OF TANGENT
6,112.8	5,779.7	-1,222.0	935.3	EOD TO VERTICAL
6,142.8	5,809.7	-1,222.0	935.3	KOP (12°/100ft BUR)
6,767.8	6,270.9	-1,575.9	941.1	START OF TANGENT
6,867.8	6,296.8	-1,672.4	942.7	END OF TANGENT
6,992.8	6,313.0	-1,796.0	944.7	ICP - NP P31-T34-34HNB (P4)
11,255.8	6,313.0	-6,058.4	1,014.5	BHL - NP P31-T34-34HNB (P4)