BONANZA CREEK ENERGY INC.

WELD COUNTY, COLORADO (NAD 83)
SE SW SEC. 24 T5N R63W 6th P.M.
NORTH PLATTE E-A-24HNA - OPT 4

ORIGINAL WELLBORE

11 June, 2014

Plan: PROPOSAL #3

Project: WELD COUNTY, COLORADO (NAD 83)
Site: SE SW SEC. 24 T5N R63W 6th P.M.
Well: NORTH PLATTE E-A-24HNA - OPT 4
Wellbore: ORIGINAL WELLBORE
Design: PROPOSAL #3

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	VSect	Dep	Annotation
0.0	0.0	0.00	0.00	0.0	0.0	0.0	0.0	W/C: 461ft FSL & 1299ft FWL Sec 24
1000.0	1000.0	0.00	0.00	0.0	0.0	0.0	0.0	START NUDGE #1 (1.5°/100ft BUR)
1266.5	1266.7	4.00	10.00	9.2	1.6	8.2	9.3	EOB TO 4° INC
1901.6	1903.4	4.00	10.00	52.9	9.3	47.5	53.7	END OF TANGENT
2168.0	2170.0	0.00	10.00	62.1	10.9	55.7	63.0	EOD TO VERTICAL
2198.0	2200.0	0.00	0.00	62.1	10.9	55.7	63.0	START NUDGE #2 (3°/100ft BUR)
3065.0	3099.9	27.00	247.47	-17.7	-181.3	39.1	271.1	EOB TO 27° INC
4868.9	5124.4	27.00	247.47	-369.8	-1030.1	-34.2	1190.1	END OF TANGENT
5735.8	6024.2	0.00	247.47	-449.5	-1222.3	-50.8	1398.2	EOD TO VERTICAL
5765.8	6054.2	0.00	0.00	-449.5	-1222.3	-50.8	1398.2	KOP (12°/100ft BUR)
6227.0	6679.2	75.00	357.72	-95.9	-1236.4	289.9	1752.0	START OF TANGENT
6252.9	6779.2	75.00	357.72	0.6	-1240.2	382.9	1848.6	END OF TANGENT
6269.1	6904.2	90.00	357.72	124.1	-1245.1	501.9	1972.2	7" ICP: 589ft FSL & 160ft FWL Sec 24
6269.1	11146.9	90.00	357.72	4363.4	-1414.0	4586.8	6214.9	BHL: 470ft FNL & 160ft FWL Sec 24

LOCAL COORDINATES:

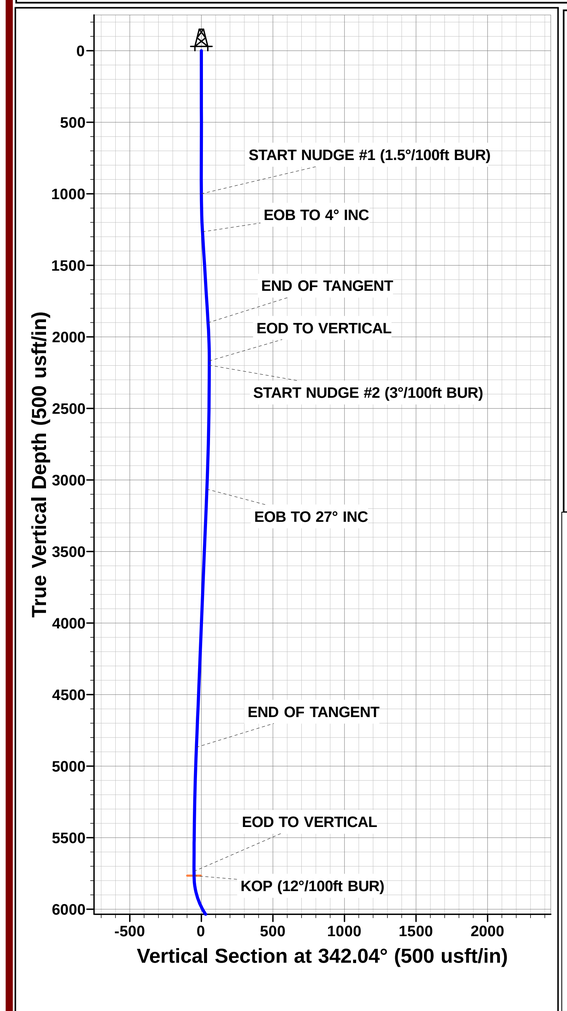
SHL: 461ft FSL & 1399ft FWL Sec 24

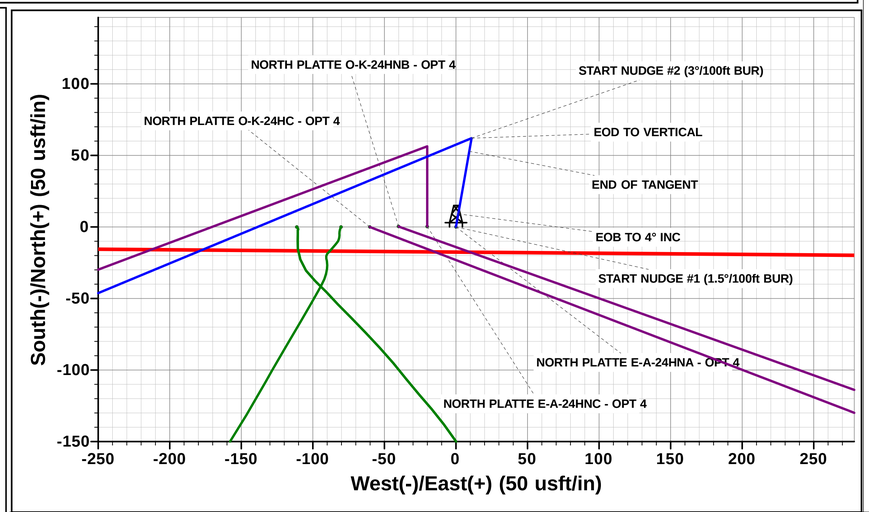
7" ICP: ft 589ft FSL & 160ft FWL Sec 24

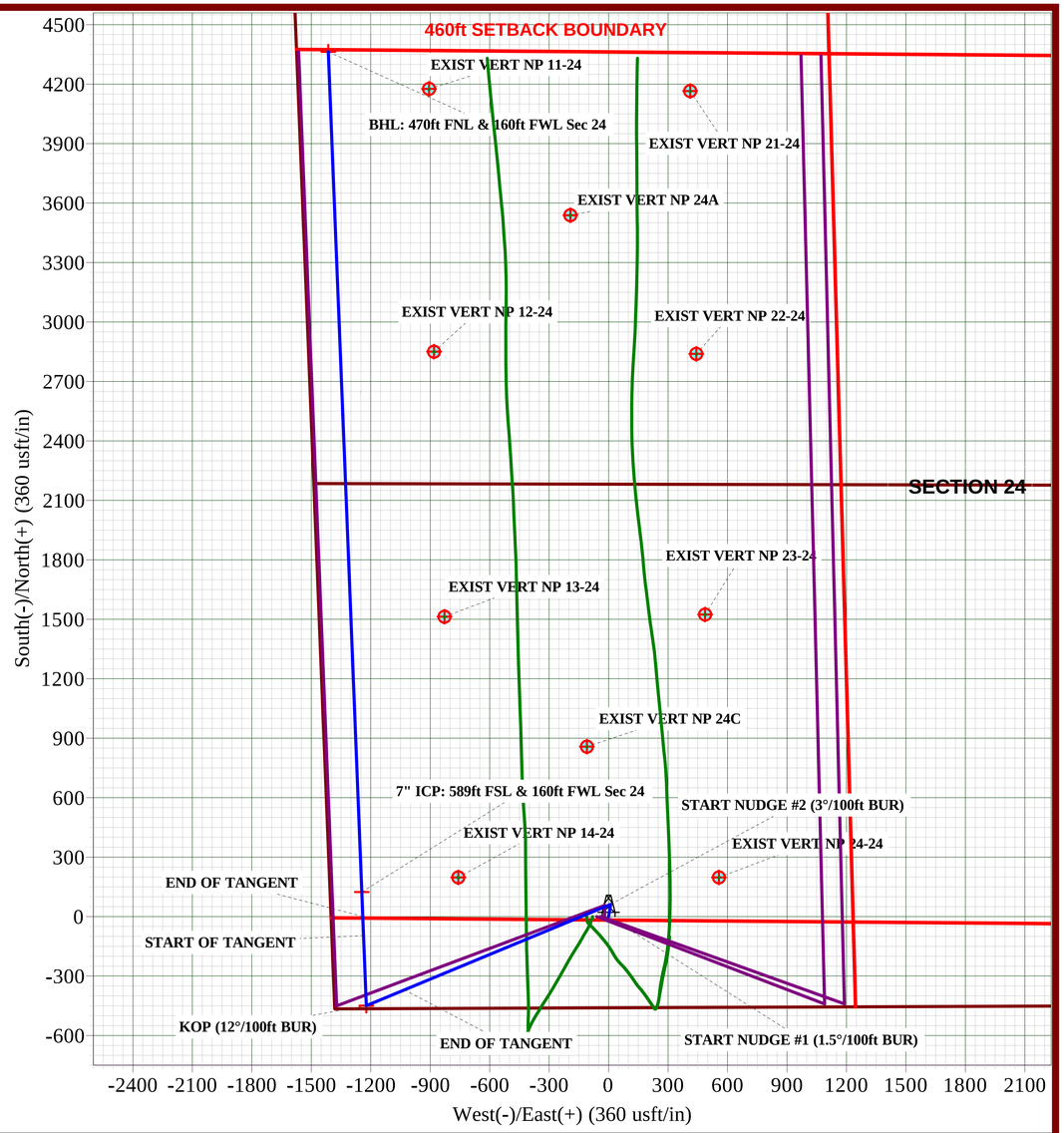
BHL: 470ft FNL & 160ft FWL Sec 24

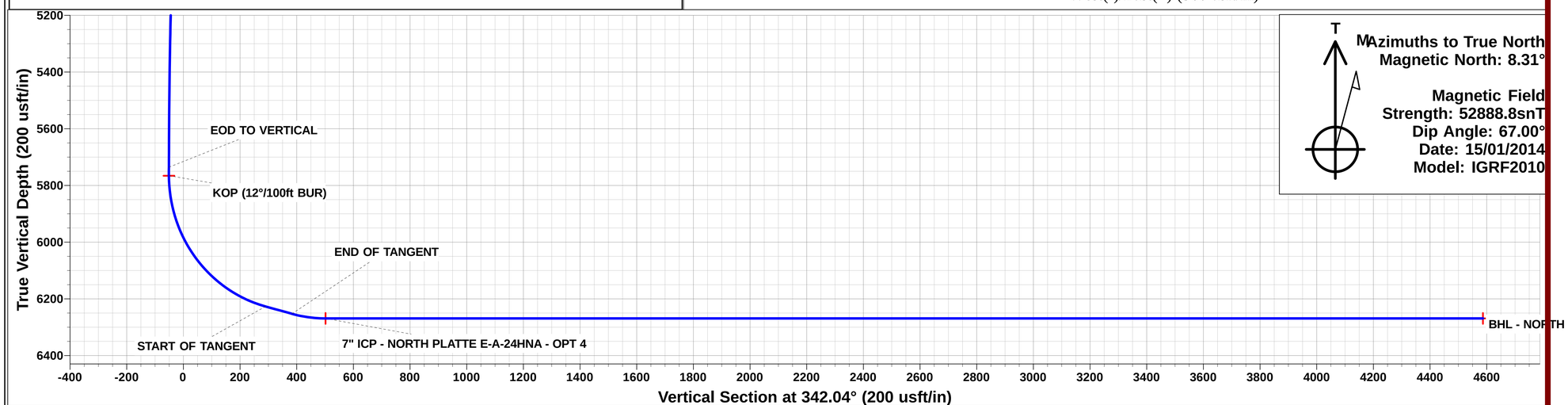
WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude
KOP - NORTH PLATTE E-A-24HNA - OPT 4	5765.8	-449.5	-1222.3	40.377443	-104.393055
7" ICP - NORTH PLATTE E-A-24HNA - OPT 4	6269.1	123.9	-1245.1	40.379017	-104.393137
BHL - NORTH PLATTE E-A-24HNA - OPT 4	6269.1	4363.4	-1414.0	40.390654	-104.393744









Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well NORTH PLATTE E-A-24HNA - OPT 4
Company:	BONANZA CREEK ENERGY INC.	**TVD Reference:**	KB-EST @ 4585.1usft
Project:	WELD COUNTY, COLORADO (NAD 83)	**MD Reference:**	KB-EST @ 4585.1usft
Site:	SE SW SEC. 24 T5N R63W 6th P.M.	**North Reference:**	True
Well:	NORTH PLATTE E-A-24HNA - OPT 4	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #3		

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. 24 T5N R63W 6th P.M.

Site Position:		**Northing:**	1,382,731.88 usft	**Latitude:**	40.378677
From:	Lat/Long	**Easting:**	3,309,546.55 usft	**Longitude:**	-104.388884
Position Uncertainty:	0.0 usft	**Slot Radius:**	1.10000 ft	**Grid Convergence:**	0.72 °

Well NORTH PLATTE E-A-24HNA - OPT 4

Well Position	**+N/-S**	0.0 usft	**Northing:**	1,382,732.63 usft	**Latitude:**	40.378677
	+E/-W	60.2 usft	**Easting:**	3,309,606.74 usft	**Longitude:**	-104.388668
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	usft	**Ground Level:**	4,568.1 usft

Wellbore ORIGINAL WELLBORE

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	15/01/2014	8.31	67.00	52,889

Design PROPOSAL #3

Audit Notes:

Version:		**Phase:**	PROTOTYPE	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	6,269.1	0.0	0.0	342.04

Plan Sections

MD (usft)	Inc (°)	Azi (°)	Vertical Depth	SS (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usf	Build Rate (°/100usf	Turn Rate (°/100usf	TFO (°)	Target
0.0	0.00	0.00	0.0	-4,585.1	0.0	0.0	0.00	0.00	0.00	0.00	
1,000.0	0.00	0.00	1,000.0	-3,585.1	0.0	0.0	0.00	0.00	0.00	0.00	
1,266.7	4.00	10.00	1,266.5	-3,318.6	9.2	1.6	1.50	1.50	0.00	10.00	
1,903.4	4.00	10.00	1,901.6	-2,683.5	52.9	9.3	0.00	0.00	0.00	0.00	
2,170.0	0.00	0.00	2,168.0	-2,417.1	62.1	10.9	1.50	-1.50	0.00	180.00	
2,200.0	0.00	0.00	2,198.0	-2,387.1	62.1	10.9	0.00	0.00	0.00	0.00	
3,099.9	27.00	247.47	3,065.0	-1,520.1	-17.7	-181.3	3.00	3.00	0.00	247.47	
5,124.4	27.00	247.47	4,868.9	283.8	-369.8	-1,030.1	0.00	0.00	0.00	0.00	
6,024.2	0.00	0.00	5,735.8	1,150.7	-449.5	-1,222.3	3.00	-3.00	0.00	180.00	
6,054.2	0.00	0.00	5,765.8	1,180.7	-449.5	-1,222.3	0.00	0.00	0.00	0.00	KOP - NORTH PLA
6,679.2	75.00	357.72	6,227.0	1,641.9	-95.9	-1,236.4	12.00	12.00	0.00	357.72	
6,779.2	75.00	357.72	6,252.9	1,667.8	0.6	-1,240.2	0.00	0.00	0.00	0.00	
6,904.2	90.00	357.72	6,269.1	1,684.0	124.1	-1,245.1	12.00	12.00	0.00	0.00	
11,146.9	90.00	357.72	6,269.1	1,684.0	4,363.4	-1,414.0	0.00	0.00	0.00	-54.61	BHL - NORTH PLA

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Project:	WELD COUNTY, COLORADO (NAD 83)	**MD Reference:**	KB-EST @ 4585.1usft
Site:	SE SW SEC. 24 T5N R63W 6th P.M.	**North Reference:**	True
Well:	NORTH PLATTE E-A-24HNA - OPT 4	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #3		

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)
W/C: 461ft FSL & 1299ft FWL Sec 24										
0.0	***0.00***	***0.00***	***0.0***	***4,585.10***	***0.0***	***0.0***	***0.0***	***0.00***	***0.00***	***0.00***
100.0	0.00	0.00	100.0	4,485.10	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	4,385.10	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	4,285.10	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	4,185.10	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	4,085.10	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	3,985.10	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	3,885.10	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	3,785.10	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	3,685.10	0.0	0.0	0.0	0.00	0.00	0.00
START NUDGE #1 (1.5°/100ft BUR)										
1,000.0	***0.00***	***0.00***	***1,000.0***	***3,585.10***	***0.0***	***0.0***	***0.0***	***0.00***	***0.00***	***0.00***
1,100.0	1.50	10.00	1,100.0	3,485.11	1.3	0.2	1.2	1.50	1.50	0.00
1,200.0	3.00	10.00	1,199.9	3,385.19	5.2	0.9	4.6	1.50	1.50	0.00
EOB TO 4° INC										
1,266.7	***4.00***	***10.00***	***1,266.5***	***3,318.62***	***9.2***	***1.6***	***8.2***	***1.50***	***1.50***	***0.00***
1,300.0	4.00	10.00	1,299.7	3,285.40	11.5	2.0	10.3	0.00	0.00	0.00
1,400.0	4.00	10.00	1,399.5	3,185.64	18.3	3.2	16.4	0.00	0.00	0.00
1,500.0	4.00	10.00	1,499.2	3,085.88	25.2	4.4	22.6	0.00	0.00	0.00
1,600.0	4.00	10.00	1,599.0	2,986.13	32.1	5.7	28.8	0.00	0.00	0.00
1,700.0	4.00	10.00	1,698.7	2,886.37	38.9	6.9	34.9	0.00	0.00	0.00
1,800.0	4.00	10.00	1,798.5	2,786.62	45.8	8.1	41.1	0.00	0.00	0.00
1,900.0	4.00	10.00	1,898.2	2,686.86	52.7	9.3	47.2	0.00	0.00	0.00
END OF TANGENT										
1,903.4	***4.00***	***10.00***	***1,901.6***	***2,683.47***	***52.9***	***9.3***	***47.5***	***0.00***	***0.00***	***0.00***
2,000.0	2.55	10.00	1,998.1	2,587.03	58.3	10.3	52.3	1.50	-1.50	0.00
2,100.0	1.05	10.00	2,098.0	2,487.08	61.4	10.8	55.1	1.50	-1.50	0.00
EOD TO VERTICAL										
2,170.0	***0.00***	***10.00***	***2,168.0***	***2,417.08***	***62.1***	***10.9***	***55.7***	***1.50***	***-1.50***	***0.00***
START NUDGE #2 (3°/100ft BUR)										
2,200.0	***0.00***	***0.00***	***2,198.0***	***2,387.08***	***62.1***	***10.9***	***55.7***	***0.00***	***0.00***	***0.00***
2,300.0	3.00	247.47	2,298.0	2,287.13	61.1	8.5	55.5	3.00	3.00	0.00
2,400.0	6.00	247.47	2,397.7	2,187.45	58.1	1.3	54.8	3.00	3.00	0.00
2,500.0	9.00	247.47	2,496.8	2,088.32	53.1	-10.8	53.8	3.00	3.00	0.00
2,600.0	12.00	247.47	2,595.1	1,990.00	46.1	-27.6	52.3	3.00	3.00	0.00
2,700.0	15.00	247.47	2,692.3	1,892.77	37.1	-49.2	50.5	3.00	3.00	0.00
2,800.0	18.00	247.47	2,788.2	1,796.90	26.3	-75.4	48.2	3.00	3.00	0.00
2,900.0	21.00	247.47	2,882.5	1,702.65	13.5	-106.2	45.6	3.00	3.00	0.00
3,000.0	24.00	247.47	2,974.8	1,610.27	-1.2	-141.6	42.5	3.00	3.00	0.00
EOB TO 27° INC										
3,099.9	***27.00***	***247.47***	***3,065.0***	***1,520.11***	***-17.7***	***-181.3***	***39.1***	***3.00***	***3.00***	***0.00***
3,100.0	27.00	247.47	3,065.1	1,520.02	-17.7	-181.3	39.1	0.00	0.00	0.00
3,200.0	27.00	247.47	3,154.2	1,430.92	-35.1	-223.2	35.4	0.00	0.00	0.00
3,300.0	27.00	247.47	3,243.3	1,341.81	-52.5	-265.2	31.8	0.00	0.00	0.00
3,400.0	27.00	247.47	3,332.4	1,252.71	-69.9	-307.1	28.2	0.00	0.00	0.00
3,500.0	27.00	247.47	3,421.5	1,163.61	-87.3	-349.0	24.6	0.00	0.00	0.00
3,600.0	27.00	247.47	3,510.6	1,074.50	-104.7	-391.0	21.0	0.00	0.00	0.00
3,700.0	27.00	247.47	3,599.7	985.40	-122.0	-432.9	17.3	0.00	0.00	0.00
3,800.0	27.00	247.47	3,688.8	896.29	-139.4	-474.8	13.7	0.00	0.00	0.00
3,900.0	27.00	247.47	3,777.9	807.19	-156.8	-516.7	10.1	0.00	0.00	0.00
4,000.0	27.00	247.47	3,867.0	718.09	-174.2	-558.7	6.5	0.00	0.00	0.00
4,100.0	27.00	247.47	3,956.1	628.98	-191.6	-600.6	2.9	0.00	0.00	0.00

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Site:	SE SW SEC. 24 T5N R63W 6th P.M.	**North Reference:**	True
Well:	NORTH PLATTE E-A-24HNA - OPT 4	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #3		

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)
4,200.0	27.00	247.47	4,045.2	539.88	-209.0	-642.5	-0.8	0.00	0.00	0.00
4,300.0	27.00	247.47	4,134.3	450.77	-226.4	-684.4	-4.4	0.00	0.00	0.00
4,400.0	27.00	247.47	4,223.4	361.67	-243.8	-726.4	-8.0	0.00	0.00	0.00
4,500.0	27.00	247.47	4,312.5	272.56	-261.2	-768.3	-11.6	0.00	0.00	0.00
4,600.0	27.00	247.47	4,401.6	183.46	-278.6	-810.2	-15.2	0.00	0.00	0.00
4,700.0	27.00	247.47	4,490.7	94.36	-296.0	-852.2	-18.9	0.00	0.00	0.00
4,800.0	27.00	247.47	4,579.8	5.25	-313.4	-894.1	-22.5	0.00	0.00	0.00
4,900.0	27.00	247.47	4,669.0	-83.85	-330.8	-936.0	-26.1	0.00	0.00	0.00
5,000.0	27.00	247.47	4,758.1	-172.96	-348.2	-977.9	-29.7	0.00	0.00	0.00
5,100.0	27.00	247.47	4,847.2	-262.06	-365.6	-1,019.9	-33.3	0.00	0.00	0.00
END OF TANGENT										
5,124.4	***27.00***	***247.47***	***4,868.9***	***-283.80***	***-369.8***	***-1,030.1***	***-34.2***	***0.00***	***0.00***	***0.00***
5,200.0	24.73	247.47	4,936.9	-351.83	-382.4	-1,060.6	-36.9	3.00	-3.00	0.00
5,300.0	21.73	247.47	5,028.8	-443.71	-397.5	-1,097.0	-40.0	3.00	-3.00	0.00
5,400.0	18.73	247.47	5,122.6	-537.53	-410.8	-1,128.9	-42.8	3.00	-3.00	0.00
5,500.0	15.73	247.47	5,218.1	-633.04	-422.1	-1,156.3	-45.1	3.00	-3.00	0.00
5,600.0	12.73	247.47	5,315.1	-729.96	-431.5	-1,179.0	-47.1	3.00	-3.00	0.00
5,700.0	9.73	247.47	5,413.1	-828.03	-439.0	-1,196.9	-48.6	3.00	-3.00	0.00
5,800.0	6.73	247.47	5,512.1	-926.99	-444.5	-1,210.2	-49.8	3.00	-3.00	0.00
5,900.0	3.73	247.47	5,611.7	-1,026.57	-448.0	-1,218.6	-50.5	3.00	-3.00	0.00
6,000.0	0.73	247.47	5,711.6	-1,126.48	-449.5	-1,222.2	-50.8	3.00	-3.00	0.00
EOD TO VERTICAL										
6,024.2	***0.00***	***247.47***	***5,735.8***	***-1,150.68***	***-449.5***	***-1,222.3***	***-50.8***	***3.00***	***-3.00***	***0.00***
KOP (12°/100ft BUR)										
6,054.2	***0.00***	***0.00***	***5,765.8***	***-1,180.68***	***-449.5***	***-1,222.3***	***-50.8***	***0.00***	***0.00***	***0.00***
6,100.0	5.49	357.72	5,811.5	-1,226.41	-447.3	-1,222.4	-48.7	11.99	11.99	0.00
6,200.0	17.49	357.72	5,909.3	-1,324.22	-427.5	-1,223.2	-29.6	12.00	12.00	0.00
6,300.0	29.49	357.72	6,000.9	-1,415.77	-387.7	-1,224.8	8.7	12.00	12.00	0.00
6,400.0	41.49	357.72	6,082.1	-1,497.04	-329.8	-1,227.1	64.5	12.00	12.00	0.00
6,500.0	53.49	357.72	6,149.6	-1,564.48	-256.3	-1,230.0	135.4	12.00	12.00	0.00
6,600.0	65.49	357.72	6,200.3	-1,615.15	-170.3	-1,233.4	218.2	12.00	12.00	0.00
START OF TANGENT										
6,679.2	***75.00***	***357.72***	***6,227.0***	***-1,641.89***	***-95.9***	***-1,236.4***	***289.9***	***12.00***	***12.00***	***0.00***
6,700.0	75.00	357.72	6,232.4	-1,647.27	-75.9	-1,237.2	309.2	0.01	0.01	0.00
END OF TANGENT										
6,779.2	***75.00***	***357.72***	***6,252.9***	***-1,667.77***	***0.6***	***-1,240.2***	***382.9***	***0.00***	***0.00***	***0.00***
6,800.0	77.49	357.72	6,257.8	-1,672.72	20.8	-1,241.0	402.3	11.99	11.99	0.00
6,900.0	89.49	357.72	6,269.1	-1,684.03	119.9	-1,245.0	497.8	12.00	12.00	0.00
7" ICP: 589ft FSL & 160ft FWL Sec 24										
6,904.2	***90.00***	***357.72***	***6,269.1***	***-1,684.05***	***124.1***	***-1,245.1***	***501.9***	***12.00***	***12.00***	***0.00***
7,000.0	90.00	357.72	6,269.1	-1,684.05	219.8	-1,248.9	594.1	0.00	0.00	0.00
7,100.0	90.00	357.72	6,269.1	-1,684.05	319.7	-1,252.9	690.4	0.00	0.00	0.00
7,200.0	90.00	357.72	6,269.1	-1,684.05	419.6	-1,256.9	786.7	0.00	0.00	0.00
7,300.0	90.00	357.72	6,269.1	-1,684.05	519.5	-1,260.9	882.9	0.00	0.00	0.00
7,400.0	90.00	357.72	6,269.1	-1,684.05	619.5	-1,264.9	979.2	0.00	0.00	0.00
7,500.0	90.00	357.72	6,269.1	-1,684.05	719.4	-1,268.8	1,075.5	0.00	0.00	0.00
7,600.0	90.00	357.72	6,269.1	-1,684.05	819.3	-1,272.8	1,171.8	0.00	0.00	0.00
7,700.0	90.00	357.72	6,269.1	-1,684.05	919.2	-1,276.8	1,268.1	0.00	0.00	0.00
7,800.0	90.00	357.72	6,269.1	-1,684.04	1,019.1	-1,280.8	1,364.3	0.00	0.00	0.00
7,900.0	90.00	357.72	6,269.1	-1,684.04	1,119.1	-1,284.8	1,460.6	0.00	0.00	0.00
8,000.0	90.00	357.72	6,269.1	-1,684.04	1,219.0	-1,288.7	1,556.9	0.00	0.00	0.00
8,100.0	90.00	357.72	6,269.1	-1,684.04	1,318.9	-1,292.7	1,653.2	0.00	0.00	0.00
8,200.0	90.00	357.72	6,269.1	-1,684.04	1,418.8	-1,296.7	1,749.5	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well NORTH PLATTE E-A-24HNA - OPT 4
Company:	BONANZA CREEK ENERGY INC.	**TVD Reference:**	KB-EST @ 4585.1usft
Project:	WELD COUNTY, COLORADO (NAD 83)	**MD Reference:**	KB-EST @ 4585.1usft
Site:	SE SW SEC. 24 T5N R63W 6th P.M.	**North Reference:**	True
Well:	NORTH PLATTE E-A-24HNA - OPT 4	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #3		

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)
8,300.0	90.00	357.72	6,269.1	-1,684.04	1,518.7	-1,300.7	1,845.7	0.00	0.00	0.00
8,400.0	90.00	357.72	6,269.1	-1,684.04	1,618.7	-1,304.7	1,942.0	0.00	0.00	0.00
8,500.0	90.00	357.72	6,269.1	-1,684.04	1,718.6	-1,308.6	2,038.3	0.00	0.00	0.00
8,600.0	90.00	357.72	6,269.1	-1,684.04	1,818.5	-1,312.6	2,134.6	0.00	0.00	0.00
8,700.0	90.00	357.72	6,269.1	-1,684.04	1,918.4	-1,316.6	2,230.9	0.00	0.00	0.00
8,800.0	90.00	357.72	6,269.1	-1,684.04	2,018.4	-1,320.6	2,327.2	0.00	0.00	0.00
8,900.0	90.00	357.72	6,269.1	-1,684.04	2,118.3	-1,324.6	2,423.4	0.00	0.00	0.00
9,000.0	90.00	357.72	6,269.1	-1,684.04	2,218.2	-1,328.5	2,519.7	0.00	0.00	0.00
9,100.0	90.00	357.72	6,269.1	-1,684.03	2,318.1	-1,332.5	2,616.0	0.00	0.00	0.00
9,200.0	90.00	357.72	6,269.1	-1,684.03	2,418.0	-1,336.5	2,712.3	0.00	0.00	0.00
9,300.0	90.00	357.72	6,269.1	-1,684.03	2,518.0	-1,340.5	2,808.6	0.00	0.00	0.00
9,400.0	90.00	357.72	6,269.1	-1,684.03	2,617.9	-1,344.5	2,904.8	0.00	0.00	0.00
9,500.0	90.00	357.72	6,269.1	-1,684.03	2,717.8	-1,348.4	3,001.1	0.00	0.00	0.00
9,600.0	90.00	357.72	6,269.1	-1,684.03	2,817.7	-1,352.4	3,097.4	0.00	0.00	0.00
9,700.0	90.00	357.72	6,269.1	-1,684.03	2,917.6	-1,356.4	3,193.7	0.00	0.00	0.00
9,800.0	90.00	357.72	6,269.1	-1,684.02	3,017.6	-1,360.4	3,290.0	0.00	0.00	0.00
9,900.0	90.00	357.72	6,269.1	-1,684.02	3,117.5	-1,364.4	3,386.2	0.00	0.00	0.00
10,000.0	90.00	357.72	6,269.1	-1,684.02	3,217.4	-1,368.3	3,482.5	0.00	0.00	0.00
10,100.0	90.00	357.72	6,269.1	-1,684.02	3,317.3	-1,372.3	3,578.8	0.00	0.00	0.00
10,200.0	90.00	357.72	6,269.1	-1,684.02	3,417.2	-1,376.3	3,675.1	0.00	0.00	0.00
10,300.0	90.00	357.72	6,269.1	-1,684.02	3,517.2	-1,380.3	3,771.4	0.00	0.00	0.00
10,400.0	90.00	357.72	6,269.1	-1,684.02	3,617.1	-1,384.3	3,867.7	0.00	0.00	0.00
10,500.0	90.00	357.72	6,269.1	-1,684.01	3,717.0	-1,388.2	3,963.9	0.00	0.00	0.00
10,600.0	90.00	357.72	6,269.1	-1,684.01	3,816.9	-1,392.2	4,060.2	0.00	0.00	0.00
10,700.0	90.00	357.72	6,269.1	-1,684.01	3,916.8	-1,396.2	4,156.5	0.00	0.00	0.00
10,800.0	90.00	357.72	6,269.1	-1,684.01	4,016.8	-1,400.2	4,252.8	0.00	0.00	0.00
10,900.0	90.00	357.72	6,269.1	-1,684.01	4,116.7	-1,404.2	4,349.1	0.00	0.00	0.00
11,000.0	90.00	357.72	6,269.1	-1,684.00	4,216.6	-1,408.1	4,445.3	0.00	0.00	0.00
11,100.0	90.00	357.72	6,269.1	-1,684.00	4,316.5	-1,412.1	4,541.6	0.00	0.00	0.00
BHL: 470ft FNL & 160ft FWL Sec 24										
11,146.9	***90.00***	***357.72***	***6,269.1***	***-1,684.00***	***4,363.4***	***-1,414.0***	***4,586.8***	***0.00***	***0.00***	***0.00***

Plan Annotations

		Local Coordinates		
MD (usft)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Comment
0.0	0.0	0.0	0.0	W/C: 461ft FSL & 1299ft FWL Sec 24
1,000.0	1,000.0	0.0	0.0	START NUDGE #1 (1.5°/100ft BUR)
1,266.7	1,266.5	9.2	1.6	EOB TO 4° INC
1,903.4	1,901.6	52.9	9.3	END OF TANGENT
2,170.0	2,168.0	62.1	10.9	EOD TO VERTICAL
2,200.0	2,198.0	62.1	10.9	START NUDGE #2 (3°/100ft BUR)
3,099.9	3,065.0	-17.7	-181.3	EOB TO 27° INC
5,124.4	4,868.9	-369.8	-1,030.1	END OF TANGENT
6,024.2	5,735.8	-449.5	-1,222.3	EOD TO VERTICAL
6,054.2	5,765.8	-449.5	-1,222.3	KOP (12°/100ft BUR)
6,679.2	6,227.0	-95.9	-1,236.4	START OF TANGENT
6,779.2	6,252.9	0.6	-1,240.2	END OF TANGENT
6,904.2	6,269.1	124.1	-1,245.1	7" ICP: 589ft FSL & 160ft FWL Sec 24
11,146.9	6,269.1	4,363.4	-1,414.0	BHL: 470ft FNL & 160ft FWL Sec 24