

BONANZA CREEK ENERGY INC.

WELD COUNTY, COLORADO (NAD 83)

NE SE SEC. 1 T4N R63W 6th P.M.

LATHAM P41-T44-12HNB

ORIGINAL WELLBORE

27 October, 2015

Plan: PROPOSAL #1





Project: WELD COUNTY, COLORADO (NAD 83)
 Site: NE SE SEC. 1 T4N R63W 6th P.M.
 Well: LATHAM P41-T44-12HNB
 Wellbore: ORIGINAL WELLBORE
 Design: PROPOSAL #1

ANNOTATIONS

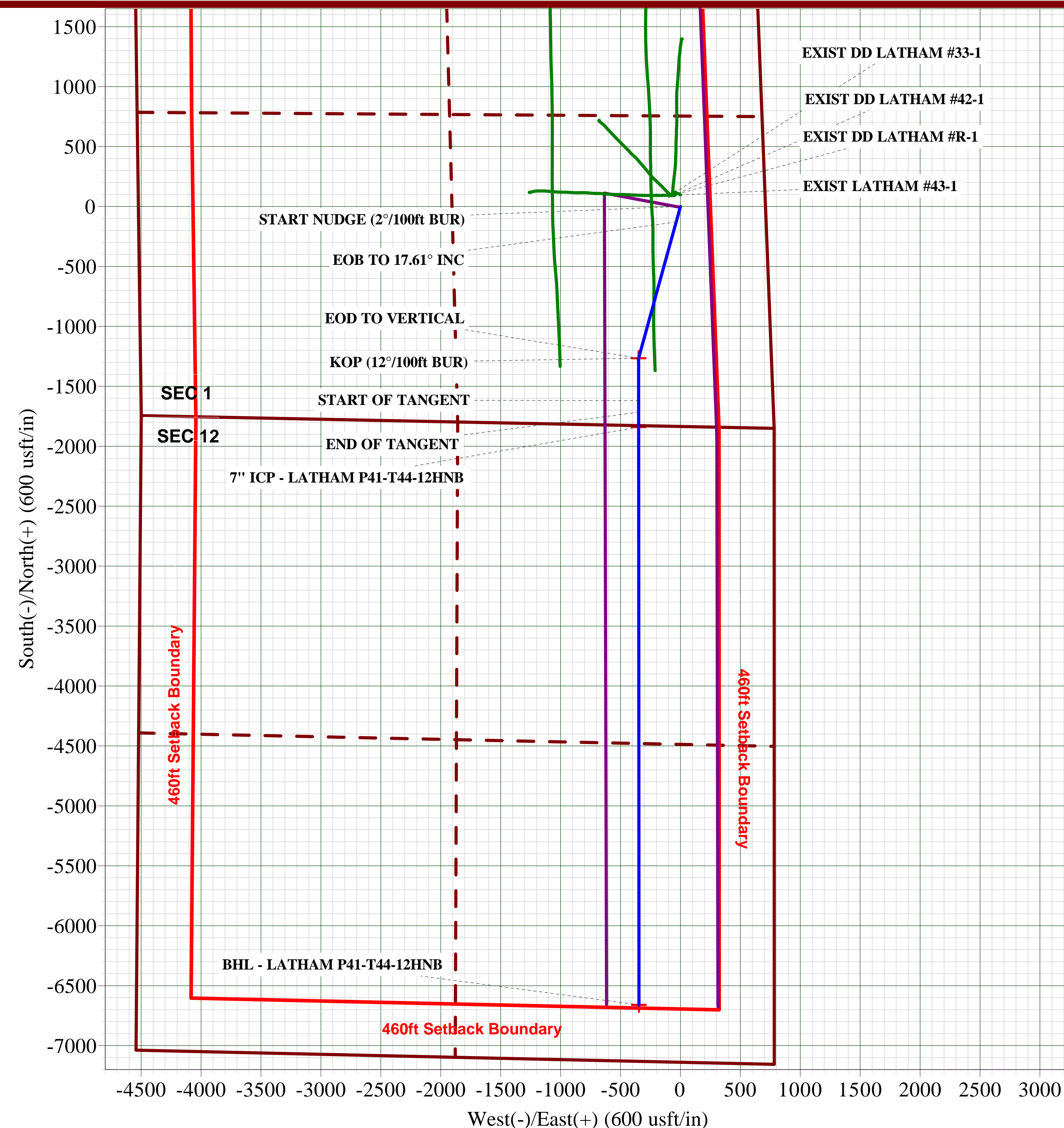
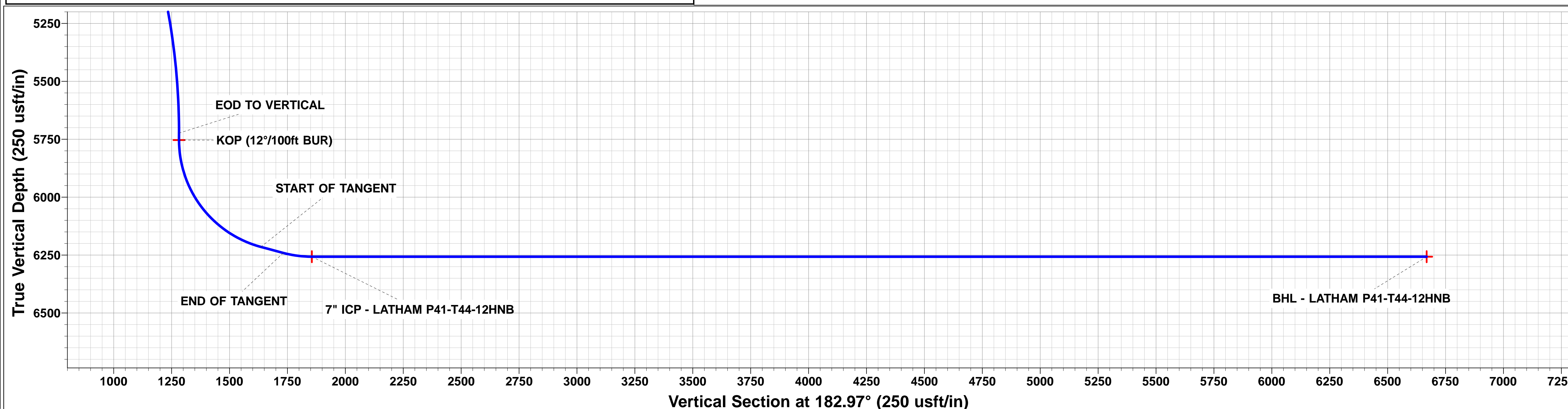
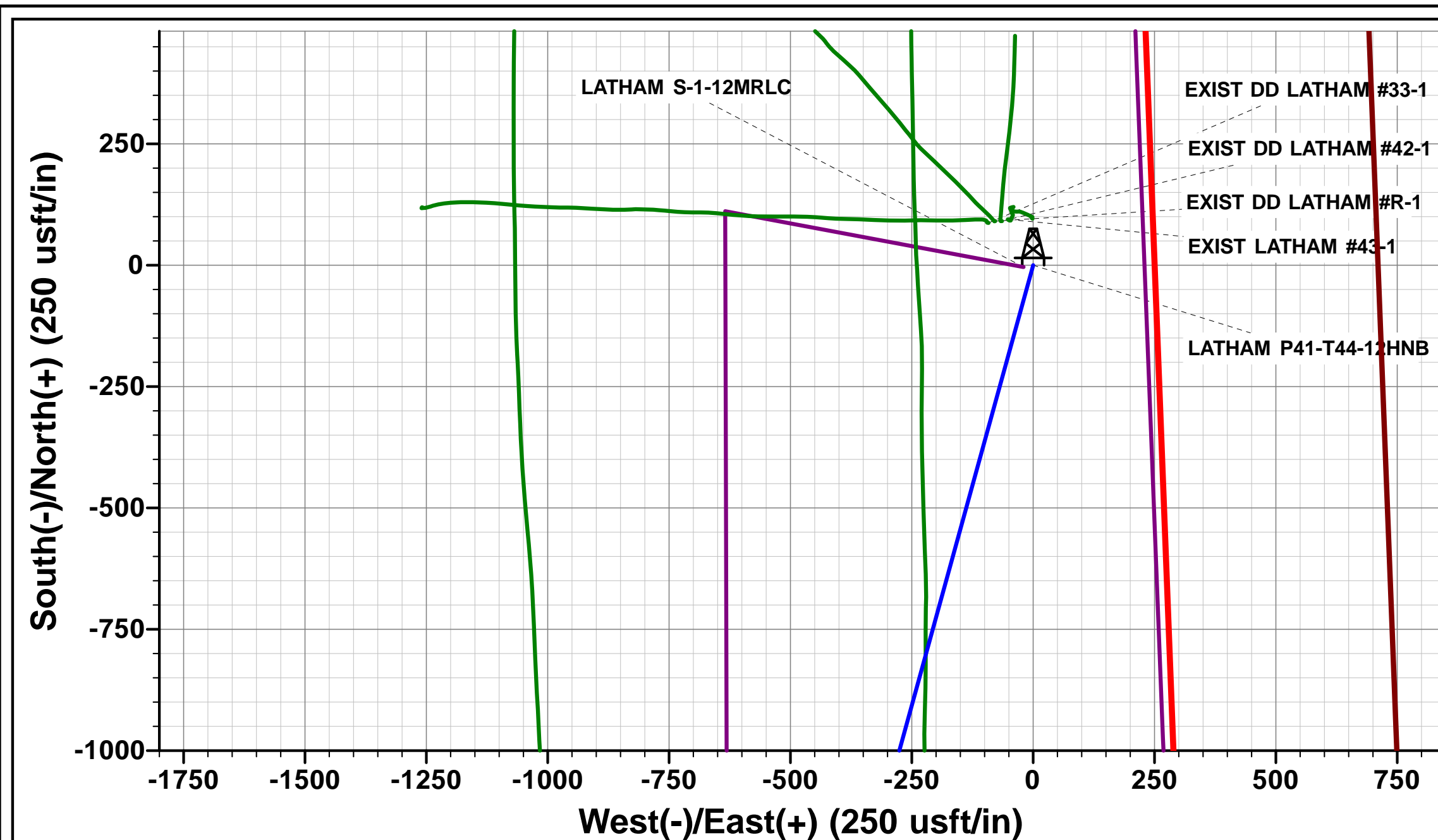
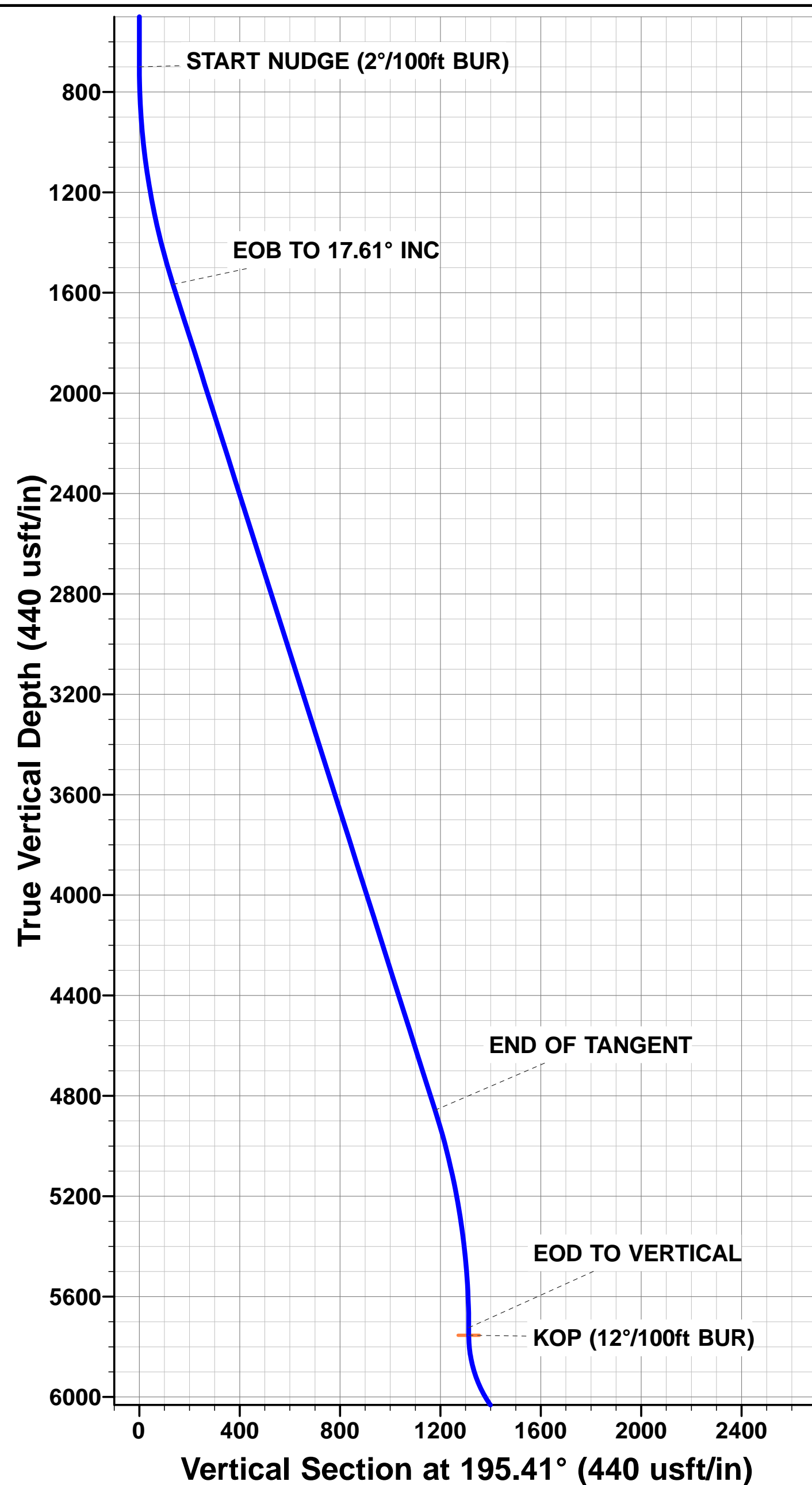
TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Dep	Annotation
700.0	700.0	0.00	0.00	0.0	0.0	0.0	0.0	START NUDGE (2°/100ft BUR)
1566.6	1580.4	17.61	195.41	-129.4	-35.7	131.1	134.2	EOB TO 17.61° INC
4857.1	5032.6	17.61	195.41	-1136.2	-313.1	1150.9	1178.6	END OF TANGENT
5723.7	5913.0	0.00	0.00	-1265.6	-348.8	1282.0	1312.8	EOD TO VERTICAL
5753.7	5943.0	0.00	0.00	-1265.6	-348.8	1282.0	1312.8	KOP (12°/100ft BUR)
6214.9	6568.0	75.00	179.97	-1619.5	-348.6	1635.4	1666.7	START OF TANGENT
6240.8	6668.0	75.00	179.97	-1716.1	-348.6	1731.8	1763.3	END OF TANGENT
6257.0	6793.0	90.00	179.97	-1839.7	-348.5	1855.3	1886.8	7" ICP - LATHAM P41-T44-12HNB
6257.0	11612.9	90.00	179.97	-6659.5	-345.8	6668.5	6706.7	BHL - LATHAM P41-T44-12HNB

PROPOSED LOCAL COORDINATES:

SHL: 1834ft FSL & 709ft FEL Sec 1
 7" ICP: 10ft FSL & 1130ft FEL Sec 12
 BHL: 470ft FSL & 1130ft FEL Sec 12

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude
KOP - LATHAM P41-T44-12HNB	5753.7	-1265.6	-348.8	40.335866	-104.380841
BHL - LATHAM P41-T44-12HNB	6257.0	-6659.5	-345.8	40.321060	-104.380830
7" ICP - LATHAM P41-T44-12HNB	6257.0	-1839.7	-348.5	40.334290	-104.380840





Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well LATHAM P41-T44-12HNB
Company:	BONANZA CREEK ENERGY INC.	TVD Reference:	KB-EST @ 4562.0usft (Original Well Elev)
Project:	WELD COUNTY, COLORADO (NAD 83)	MD Reference:	KB-EST @ 4562.0usft (Original Well Elev)
Site:	NE SE SEC. 1 T4N R63W 6th P.M.	North Reference:	True
Well:	LATHAM P41-T44-12HNB	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #1		

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	NE SE SEC. 1 T4N R63W 6th P.M.				
Site Position:		Northing:	1,368,431.49 usft	Latitude:	40.339330
From:	Lat/Long	Easting:	3,312,297.22 usft	Longitude:	-104.379660
Position Uncertainty:	0.0 usft	Slot Radius:	1.10000ft	Grid Convergence:	0.72 °

Well	LATHAM P41-T44-12HNB					
Well Position	+N-S	3.6 usft	Northing:	1,368,435.37 usft	Latitude:	40.339340
	+E-W	19.5 usft	Easting:	3,312,316.69 usft	Longitude:	-104.379590
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	4,545.0 usft

Wellbore	ORIGINAL WELLBORE				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	27/10/2015	8.17	66.91	52,590

Design	PROPOSAL #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N-S (usft)	+E-W (usft)	Direction (°)
	6,257.0	0.0	0.0	182.97

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	-4,562.0	0.0	0.0	0.00	0.00	0.00	0.00	
700.0	0.00	0.00	700.0	-3,862.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,580.4	17.61	195.41	1,566.6	-2,995.4	-129.4	-35.7	2.00	2.00	0.00	195.41	
5,032.6	17.61	195.41	4,857.1	295.1	-1,136.2	-313.1	0.00	0.00	0.00	0.00	
5,913.0	0.00	0.00	5,723.7	1,161.7	-1,265.6	-348.8	2.00	-2.00	0.00	180.00	
5,943.0	0.00	0.00	5,753.7	1,191.7	-1,265.6	-348.8	0.00	0.00	0.00	0.00	KOP - LATHAM P4
6,568.0	75.00	179.97	6,214.9	1,652.9	-1,619.5	-348.6	12.00	12.00	0.00	179.97	
6,668.0	75.00	179.97	6,240.8	1,678.8	-1,716.1	-348.6	0.00	0.00	0.00	0.00	
6,793.0	90.00	179.97	6,257.0	1,695.0	-1,839.7	-348.5	12.00	12.00	0.00	0.00	
11,612.9	90.00	179.97	6,257.0	1,695.0	-6,659.5	-345.8	0.00	0.00	0.00	-77.23	BHL - LATHAM P4'



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well LATHAM P41-T44-12HNB
Company:	BONANZA CREEK ENERGY INC.	TVD Reference:	KB-EST @ 4562.0usft (Original Well Elev)
Project:	WELD COUNTY, COLORADO (NAD 83)	MD Reference:	KB-EST @ 4562.0usft (Original Well Elev)
Site:	NE SE SEC. 1 T4N R63W 6th P.M.	North Reference:	True
Well:	LATHAM P41-T44-12HNB	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	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)
0.0	0.00	0.00	0.0	4,562.00	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	4,462.00	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	4,362.00	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	4,262.00	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	4,162.00	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	4,062.00	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	3,962.00	0.0	0.0	0.0	0.00	0.00	0.00
START NUDGE (2°/100ft BUR)										
700.0	0.00	0.00	700.0	3,862.00	0.0	0.0	0.0	0.00	0.00	0.00
800.0	2.00	195.41	800.0	3,762.02	-1.7	-0.5	1.7	2.00	2.00	0.00
900.0	4.00	195.41	899.8	3,662.16	-6.7	-1.9	6.8	2.00	2.00	0.00
1,000.0	6.00	195.41	999.5	3,562.55	-15.1	-4.2	15.3	2.00	2.00	0.00
1,100.0	8.00	195.41	1,098.7	3,463.30	-26.9	-7.4	27.2	2.00	2.00	0.00
1,200.0	10.00	195.41	1,197.5	3,364.53	-42.0	-11.6	42.5	2.00	2.00	0.00
1,300.0	12.00	195.41	1,295.6	3,266.38	-60.4	-16.6	61.1	2.00	2.00	0.00
1,400.0	14.00	195.41	1,393.1	3,168.94	-82.0	-22.6	83.1	2.00	2.00	0.00
1,500.0	16.00	195.41	1,489.6	3,072.36	-107.0	-29.5	108.4	2.00	2.00	0.00
EOB TO 17.61° INC										
1,580.4	17.61	195.41	1,566.6	2,995.37	-129.4	-35.7	131.1	2.00	2.00	0.00
1,600.0	17.61	195.41	1,585.3	2,976.71	-135.1	-37.2	136.9	0.00	0.00	0.00
1,700.0	17.61	195.41	1,680.6	2,881.40	-164.3	-45.3	166.4	0.00	0.00	0.00
1,800.0	17.61	195.41	1,775.9	2,786.08	-193.4	-53.3	195.9	0.00	0.00	0.00
1,900.0	17.61	195.41	1,871.2	2,690.77	-222.6	-61.3	225.5	0.00	0.00	0.00
2,000.0	17.61	195.41	1,966.5	2,595.45	-251.8	-69.4	255.0	0.00	0.00	0.00
2,100.0	17.61	195.41	2,061.9	2,500.14	-280.9	-77.4	284.6	0.00	0.00	0.00
2,200.0	17.61	195.41	2,157.2	2,404.82	-310.1	-85.5	314.1	0.00	0.00	0.00
2,300.0	17.61	195.41	2,252.5	2,309.51	-339.3	-93.5	343.7	0.00	0.00	0.00
2,400.0	17.61	195.41	2,347.8	2,214.19	-368.4	-101.5	373.2	0.00	0.00	0.00
2,500.0	17.61	195.41	2,443.1	2,118.88	-397.6	-109.6	402.7	0.00	0.00	0.00
2,600.0	17.61	195.41	2,538.4	2,023.57	-426.8	-117.6	432.3	0.00	0.00	0.00
2,700.0	17.61	195.41	2,633.7	1,928.25	-455.9	-125.7	461.8	0.00	0.00	0.00
2,800.0	17.61	195.41	2,729.1	1,832.94	-485.1	-133.7	491.4	0.00	0.00	0.00
2,900.0	17.61	195.41	2,824.4	1,737.62	-514.2	-141.7	520.9	0.00	0.00	0.00
3,000.0	17.61	195.41	2,919.7	1,642.31	-543.4	-149.8	550.4	0.00	0.00	0.00
3,100.0	17.61	195.41	3,015.0	1,546.99	-572.6	-157.8	580.0	0.00	0.00	0.00
3,200.0	17.61	195.41	3,110.3	1,451.68	-601.7	-165.8	609.5	0.00	0.00	0.00
3,300.0	17.61	195.41	3,205.6	1,356.36	-630.9	-173.9	639.1	0.00	0.00	0.00
3,400.0	17.61	195.41	3,301.0	1,261.05	-660.1	-181.9	668.6	0.00	0.00	0.00
3,500.0	17.61	195.41	3,396.3	1,165.73	-689.2	-190.0	698.1	0.00	0.00	0.00
3,600.0	17.61	195.41	3,491.6	1,070.42	-718.4	-198.0	727.7	0.00	0.00	0.00
3,700.0	17.61	195.41	3,586.9	975.11	-747.6	-206.0	757.2	0.00	0.00	0.00
3,800.0	17.61	195.41	3,682.2	879.79	-776.7	-214.1	786.8	0.00	0.00	0.00
3,900.0	17.61	195.41	3,777.5	784.48	-805.9	-222.1	816.3	0.00	0.00	0.00
4,000.0	17.61	195.41	3,872.8	689.16	-835.0	-230.1	845.9	0.00	0.00	0.00
4,100.0	17.61	195.41	3,968.2	593.85	-864.2	-238.2	875.4	0.00	0.00	0.00
4,200.0	17.61	195.41	4,063.5	498.53	-893.4	-246.2	904.9	0.00	0.00	0.00
4,300.0	17.61	195.41	4,158.8	403.22	-922.5	-254.3	934.5	0.00	0.00	0.00
4,400.0	17.61	195.41	4,254.1	307.90	-951.7	-262.3	964.0	0.00	0.00	0.00
4,500.0	17.61	195.41	4,349.4	212.59	-980.9	-270.3	993.6	0.00	0.00	0.00
4,600.0	17.61	195.41	4,444.7	117.27	-1,010.0	-278.4	1,023.1	0.00	0.00	0.00
4,700.0	17.61	195.41	4,540.0	21.96	-1,039.2	-286.4	1,052.6	0.00	0.00	0.00
4,800.0	17.61	195.41	4,635.4	-73.35	-1,068.4	-294.4	1,082.2	0.00	0.00	0.00
4,900.0	17.61	195.41	4,730.7	-168.67	-1,097.5	-302.5	1,111.7	0.00	0.00	0.00
5,000.0	17.61	195.41	4,826.0	-263.98	-1,126.7	-310.5	1,141.3	0.00	0.00	0.00



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Company:	BONANZA CREEK ENERGY INC.	TVD Reference:	KB-EST @ 4562.0usft (Original Well Elev)
Project:	WELD COUNTY, COLORADO (NAD 83)	MD Reference:	KB-EST @ 4562.0usft (Original Well Elev)
Site:	NE SE SEC. 1 T4N R63W 6th P.M.	North Reference:	True
Well:	LATHAM P41-T44-12HNB	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	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)
END OF TANGENT										
5,032.6	17.61	195.41	4,857.1	-295.07	-1,136.2	-313.1	1,150.9	0.00	0.00	0.00
5,100.0	16.26	195.41	4,921.5	-359.53	-1,155.1	-318.4	1,170.1	2.00	-2.00	0.00
5,200.0	14.26	195.41	5,018.0	-456.00	-1,180.5	-325.3	1,195.8	2.00	-2.00	0.00
5,300.0	12.26	195.41	5,115.3	-553.33	-1,202.6	-331.4	1,218.2	2.00	-2.00	0.00
5,400.0	10.26	195.41	5,213.4	-651.40	-1,221.4	-336.6	1,237.2	2.00	-2.00	0.00
5,500.0	8.26	195.41	5,312.1	-750.09	-1,236.9	-340.9	1,253.0	2.00	-2.00	0.00
5,600.0	6.26	195.41	5,411.3	-849.28	-1,249.1	-344.3	1,265.3	2.00	-2.00	0.00
5,700.0	4.26	195.41	5,510.9	-948.86	-1,258.0	-346.7	1,274.3	2.00	-2.00	0.00
5,800.0	2.26	195.41	5,610.7	-1,048.69	-1,263.5	-348.2	1,279.8	2.00	-2.00	0.00
5,900.0	0.26	195.41	5,710.7	-1,148.66	-1,265.6	-348.8	1,282.0	2.00	-2.00	0.00
EOD TO VERTICAL										
5,913.0	0.00	0.00	5,723.7	-1,161.70	-1,265.6	-348.8	1,282.0	2.00	-2.00	0.00
KOP (12°/100ft BUR)										
5,943.0	0.00	0.00	5,753.7	-1,191.70	-1,265.6	-348.8	1,282.0	0.00	0.00	0.00
6,000.0	6.84	179.97	5,810.5	-1,248.53	-1,269.0	-348.8	1,285.4	12.00	12.00	0.00
6,100.0	18.84	179.97	5,907.8	-1,345.85	-1,291.2	-348.8	1,307.5	12.00	12.00	0.00
6,200.0	30.84	179.97	5,998.4	-1,436.44	-1,333.1	-348.8	1,349.4	12.00	12.00	0.00
6,300.0	42.84	179.97	6,078.3	-1,516.33	-1,392.9	-348.7	1,409.1	12.00	12.00	0.00
6,400.0	54.84	179.97	6,144.0	-1,582.03	-1,468.1	-348.7	1,484.2	12.00	12.00	0.00
6,500.0	66.84	179.97	6,192.7	-1,630.67	-1,555.2	-348.6	1,571.2	12.00	12.00	0.00
START OF TANGENT										
6,568.0	75.00	179.97	6,214.9	-1,652.90	-1,619.5	-348.6	1,635.4	12.00	12.00	0.00
6,600.0	75.00	179.97	6,223.2	-1,661.17	-1,650.4	-348.6	1,666.2	0.00	0.00	0.00
END OF TANGENT										
6,668.0	75.00	179.97	6,240.8	-1,678.78	-1,716.1	-348.6	1,731.8	0.00	0.00	0.00
6,700.0	78.84	179.97	6,248.0	-1,686.01	-1,747.2	-348.5	1,762.9	12.00	12.00	0.00
7" ICP - LATHAM P41-T44-12HNB										
6,793.0	90.00	179.97	6,257.0	-1,695.05	-1,839.7	-348.5	1,855.3	12.00	12.00	0.00
6,800.0	90.00	179.97	6,257.0	-1,695.05	-1,846.6	-348.5	1,862.2	0.00	0.00	0.00
6,900.0	90.00	179.97	6,257.0	-1,695.05	-1,946.6	-348.4	1,962.1	0.00	0.00	0.00
7,000.0	90.00	179.97	6,257.0	-1,695.05	-2,046.6	-348.4	2,061.9	0.00	0.00	0.00
7,100.0	90.00	179.97	6,257.0	-1,695.05	-2,146.6	-348.3	2,161.8	0.00	0.00	0.00
7,200.0	90.00	179.97	6,257.0	-1,695.05	-2,246.6	-348.3	2,261.7	0.00	0.00	0.00
7,300.0	90.00	179.97	6,257.0	-1,695.05	-2,346.6	-348.2	2,361.5	0.00	0.00	0.00
7,400.0	90.00	179.97	6,257.0	-1,695.05	-2,446.6	-348.2	2,461.4	0.00	0.00	0.00
7,500.0	90.00	179.97	6,257.0	-1,695.05	-2,546.6	-348.1	2,561.2	0.00	0.00	0.00
7,600.0	90.00	179.97	6,257.0	-1,695.05	-2,646.6	-348.1	2,661.1	0.00	0.00	0.00
7,700.0	90.00	179.97	6,257.0	-1,695.05	-2,746.6	-348.0	2,761.0	0.00	0.00	0.00
7,800.0	90.00	179.97	6,257.0	-1,695.04	-2,846.6	-348.0	2,860.8	0.00	0.00	0.00
7,900.0	90.00	179.97	6,257.0	-1,695.04	-2,946.6	-347.9	2,960.7	0.00	0.00	0.00
8,000.0	90.00	179.97	6,257.0	-1,695.04	-3,046.6	-347.9	3,060.6	0.00	0.00	0.00
8,100.0	90.00	179.97	6,257.0	-1,695.04	-3,146.6	-347.8	3,160.4	0.00	0.00	0.00
8,200.0	90.00	179.97	6,257.0	-1,695.04	-3,246.6	-347.7	3,260.3	0.00	0.00	0.00
8,300.0	90.00	179.97	6,257.0	-1,695.04	-3,346.6	-347.7	3,360.1	0.00	0.00	0.00
8,400.0	90.00	179.97	6,257.0	-1,695.04	-3,446.6	-347.6	3,460.0	0.00	0.00	0.00
8,500.0	90.00	179.97	6,257.0	-1,695.04	-3,546.6	-347.6	3,559.9	0.00	0.00	0.00
8,600.0	90.00	179.97	6,257.0	-1,695.04	-3,646.6	-347.5	3,659.7	0.00	0.00	0.00
8,700.0	90.00	179.97	6,257.0	-1,695.04	-3,746.6	-347.5	3,759.6	0.00	0.00	0.00
8,800.0	90.00	179.97	6,257.0	-1,695.04	-3,846.6	-347.4	3,859.5	0.00	0.00	0.00
8,900.0	90.00	179.97	6,257.0	-1,695.04	-3,946.6	-347.4	3,959.3	0.00	0.00	0.00
9,000.0	90.00	179.97	6,257.0	-1,695.04	-4,046.6	-347.3	4,059.2	0.00	0.00	0.00
9,100.0	90.00	179.97	6,257.0	-1,695.04	-4,146.6	-347.2	4,159.0	0.00	0.00	0.00



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well LATHAM P41-T44-12HNB
Company:	BONANZA CREEK ENERGY INC.	TVD Reference:	KB-EST @ 4562.0usft (Original Well Elev)
Project:	WELD COUNTY, COLORADO (NAD 83)	MD Reference:	KB-EST @ 4562.0usft (Original Well Elev)
Site:	NE SE SEC. 1 T4N R63W 6th P.M.	North Reference:	True
Well:	LATHAM P41-T44-12HNB	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	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)
9,200.0	90.00	179.97	6,257.0	-1,695.04	-4,246.6	-347.2	4,258.9	0.00	0.00	0.00
9,300.0	90.00	179.97	6,257.0	-1,695.03	-4,346.6	-347.1	4,358.8	0.00	0.00	0.00
9,400.0	90.00	179.97	6,257.0	-1,695.03	-4,446.6	-347.1	4,458.6	0.00	0.00	0.00
9,500.0	90.00	179.97	6,257.0	-1,695.03	-4,546.6	-347.0	4,558.5	0.00	0.00	0.00
9,600.0	90.00	179.97	6,257.0	-1,695.03	-4,646.6	-347.0	4,658.4	0.00	0.00	0.00
9,700.0	90.00	179.97	6,257.0	-1,695.03	-4,746.6	-346.9	4,758.2	0.00	0.00	0.00
9,800.0	90.00	179.97	6,257.0	-1,695.03	-4,846.6	-346.8	4,858.1	0.00	0.00	0.00
9,900.0	90.00	179.97	6,257.0	-1,695.03	-4,946.6	-346.8	4,957.9	0.00	0.00	0.00
10,000.0	90.00	179.97	6,257.0	-1,695.03	-5,046.6	-346.7	5,057.8	0.00	0.00	0.00
10,100.0	90.00	179.97	6,257.0	-1,695.02	-5,146.6	-346.7	5,157.7	0.00	0.00	0.00
10,200.0	90.00	179.97	6,257.0	-1,695.02	-5,246.6	-346.6	5,257.5	0.00	0.00	0.00
10,300.0	90.00	179.97	6,257.0	-1,695.02	-5,346.6	-346.6	5,357.4	0.00	0.00	0.00
10,400.0	90.00	179.97	6,257.0	-1,695.02	-5,446.6	-346.5	5,457.3	0.00	0.00	0.00
10,500.0	90.00	179.97	6,257.0	-1,695.02	-5,546.6	-346.4	5,557.1	0.00	0.00	0.00
10,600.0	90.00	179.97	6,257.0	-1,695.02	-5,646.6	-346.4	5,657.0	0.00	0.00	0.00
10,700.0	90.00	179.97	6,257.0	-1,695.02	-5,746.6	-346.3	5,756.8	0.00	0.00	0.00
10,800.0	90.00	179.97	6,257.0	-1,695.01	-5,846.6	-346.3	5,856.7	0.00	0.00	0.00
10,900.0	90.00	179.97	6,257.0	-1,695.01	-5,946.6	-346.2	5,956.6	0.00	0.00	0.00
11,000.0	90.00	179.97	6,257.0	-1,695.01	-6,046.6	-346.1	6,056.4	0.00	0.00	0.00
11,100.0	90.00	179.97	6,257.0	-1,695.01	-6,146.6	-346.1	6,156.3	0.00	0.00	0.00
11,200.0	90.00	179.97	6,257.0	-1,695.01	-6,246.6	-346.0	6,256.2	0.00	0.00	0.00
11,300.0	90.00	179.97	6,257.0	-1,695.01	-6,346.6	-346.0	6,356.0	0.00	0.00	0.00
11,400.0	90.00	179.97	6,257.0	-1,695.00	-6,446.6	-345.9	6,455.9	0.00	0.00	0.00
11,500.0	90.00	179.97	6,257.0	-1,695.00	-6,546.6	-345.8	6,555.7	0.00	0.00	0.00
11,600.0	90.00	179.97	6,257.0	-1,695.00	-6,646.6	-345.8	6,655.6	0.00	0.00	0.00
BHL - LATHAM P41-T44-12HNB										
11,612.9	90.00	179.97	6,257.0	-1,695.00	-6,659.5	-345.8	6,668.5	0.00	0.00	0.00

Plan Annotations				
MD (usft)	TVD (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
700.0	700.0	0.0	0.0	START NUDGE (2°/100ft BUR)
1,580.4	1,566.6	-129.4	-35.7	EOB TO 17.61° INC
5,032.6	4,857.1	-1,136.2	-313.1	END OF TANGENT
5,913.0	5,723.7	-1,265.6	-348.8	EOD TO VERTICAL
5,943.0	5,753.7	-1,265.6	-348.8	KOP (12°/100ft BUR)
6,568.0	6,214.9	-1,619.5	-348.6	START OF TANGENT
6,668.0	6,240.8	-1,716.1	-348.6	END OF TANGENT
6,793.0	6,257.0	-1,839.7	-348.5	7" ICP - LATHAM P41-T44-12HNB
11,612.9	6,257.0	-6,659.5	-345.8	BHL - LATHAM P41-T44-12HNB