

EXTRACTION OIL & GAS

WELD COUNTY, COLORADO (NAD 83)

NW NE SEC. 4 T1S R67W 6th P.M.

SELTZER 5

ORIGINAL WELLBORE

13 October, 2015

Plan: PROPOSAL #1

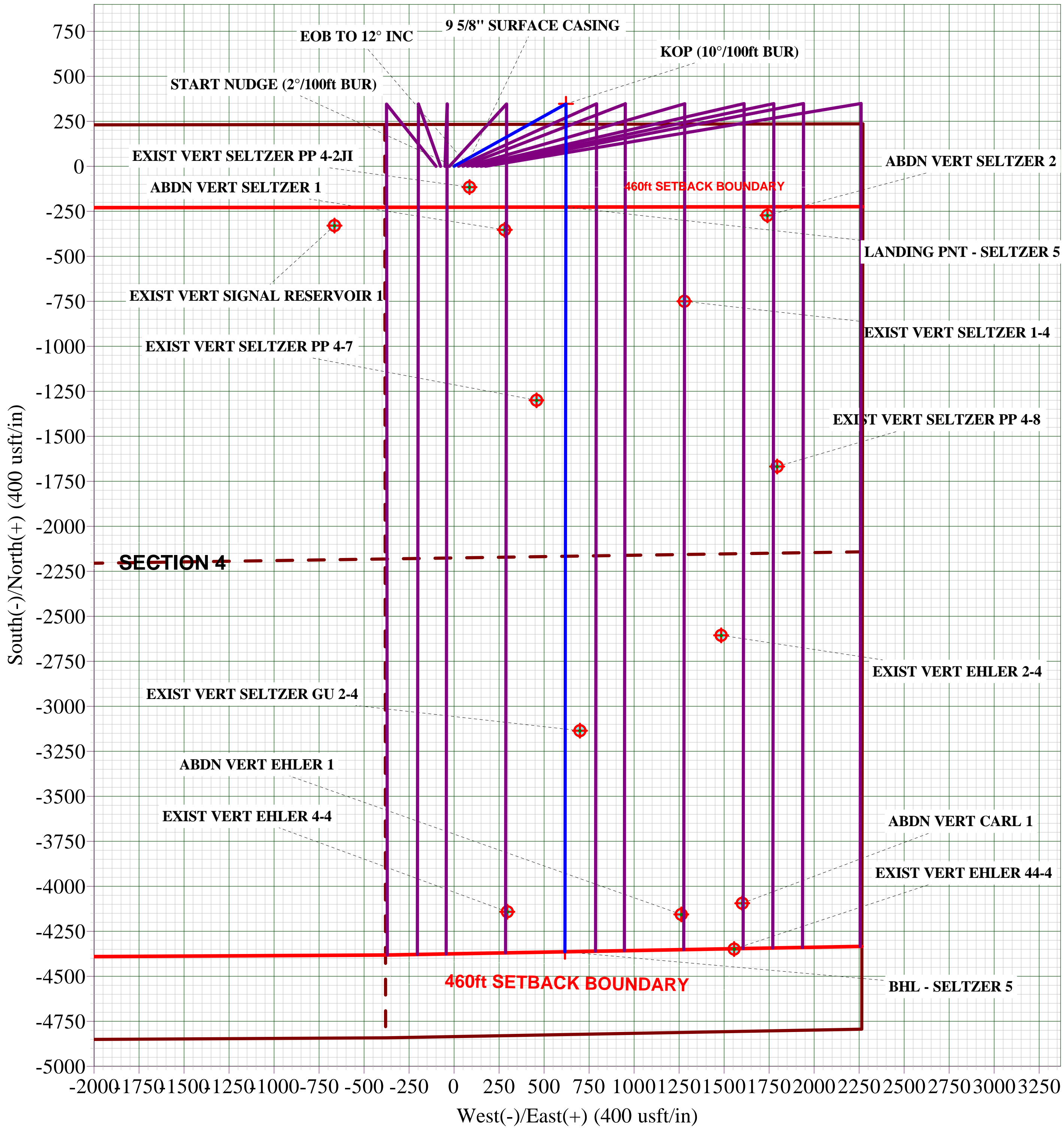
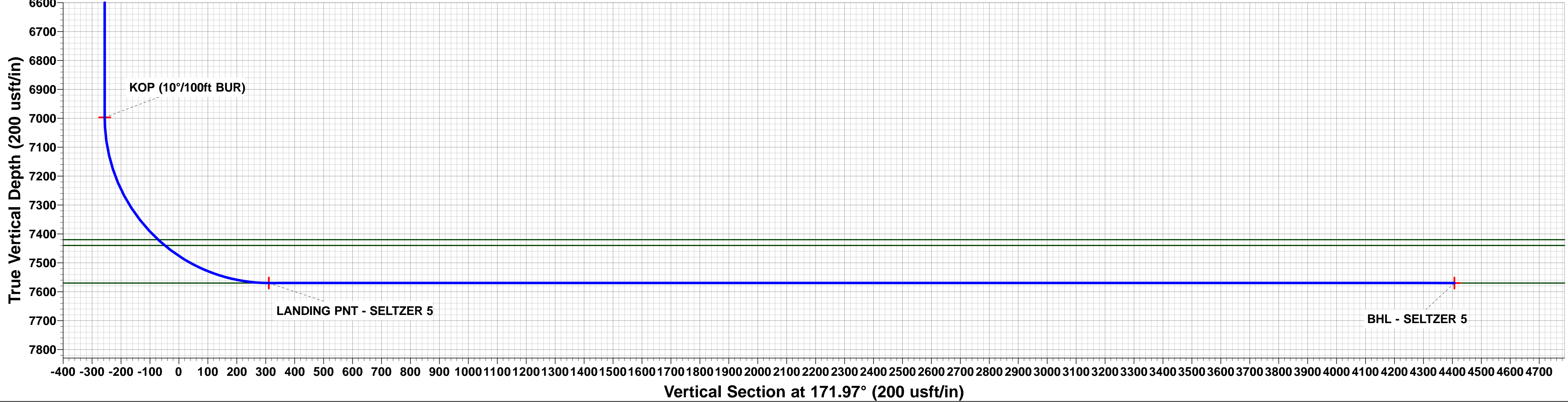
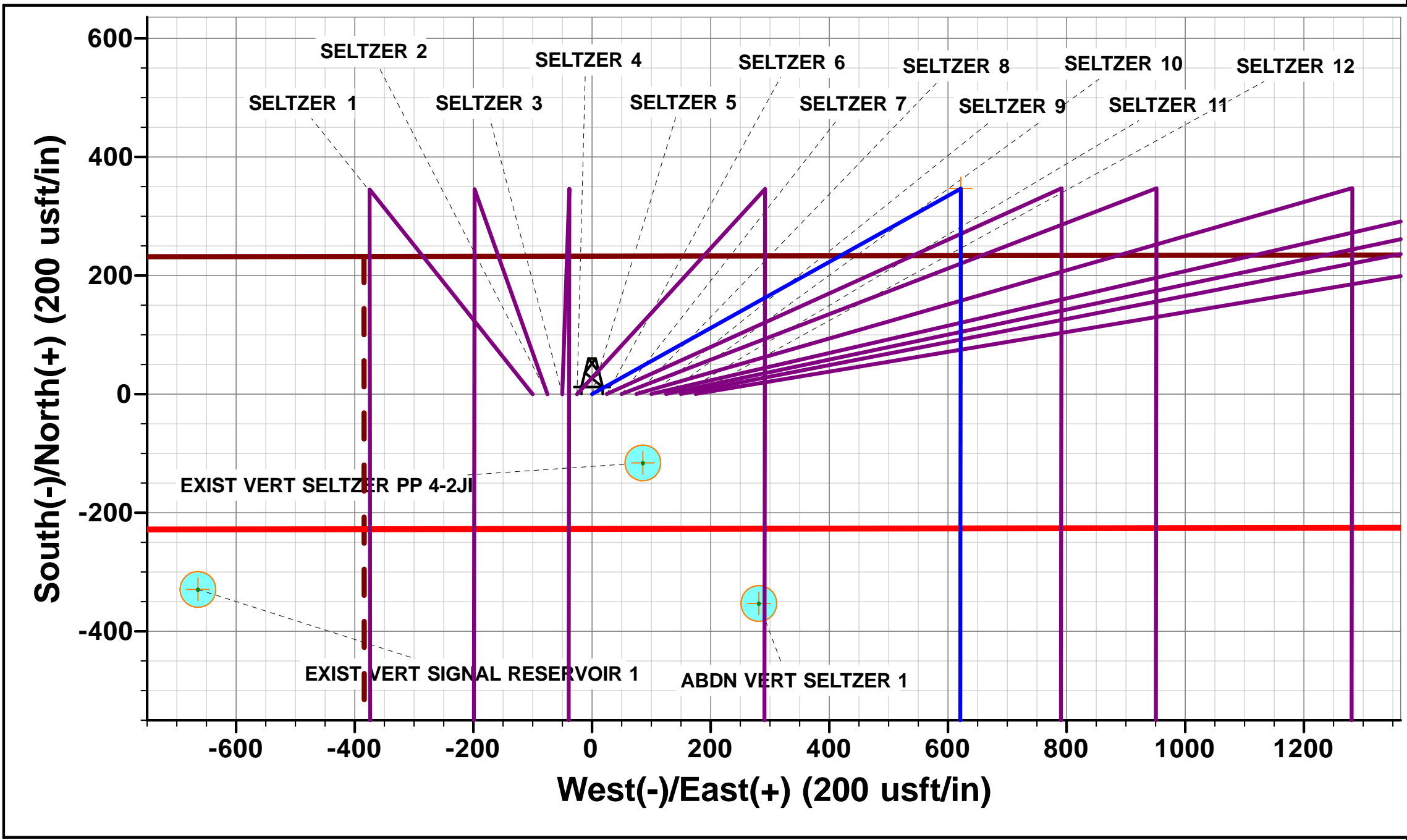
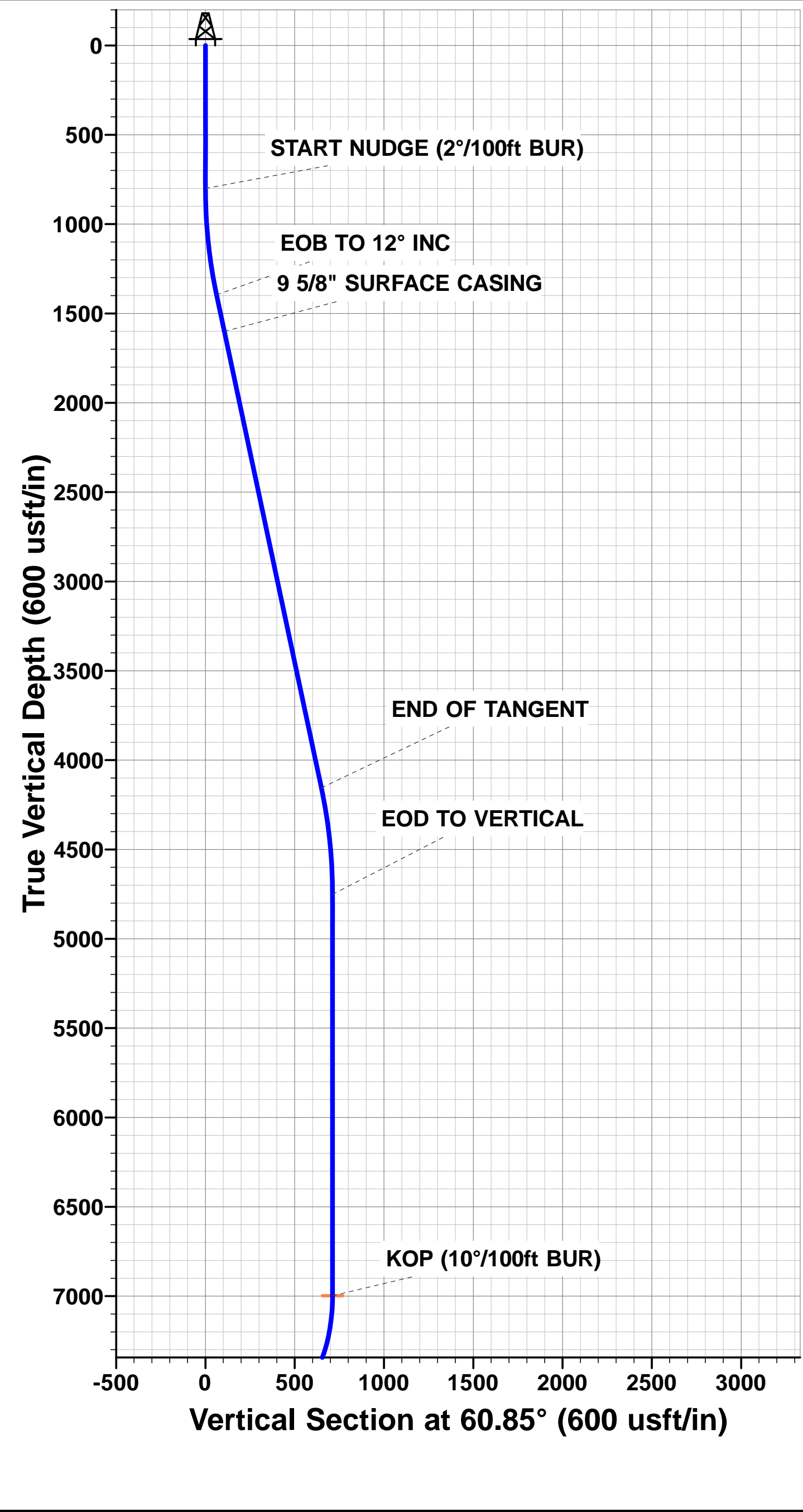




Project: WELD COUNTY, COLORADO (NAD 83)
Site: NW NE SEC. 4 T1S R67W 6th P.M.
Well: SELTZER 5
Wellbore: ORIGINAL WELLBORE
Design: PROPOSAL #1

ANNOTATIONS										PROPOSED LOCAL COORDINATES: SHL: 233ft FNL & 2272ft FEL Sec 4 LANDING PNT: 460ft FNL & 1650ft FEL Sec 4 BHL: 460ft FSL & 1650ft FEL Sec 4
TVD	MD	Inc	Azi	+N/-S	+E/-W	VSect	Dep	Annotation		
800.0	800.0	0.00	0.00	0.0	0.0	0.0	0.0	START NUDGE (2°/100ft BUR)		
1395.8	1400.2	12.00	60.85	30.5	54.7	-22.6	62.6	EOB TO 12° INC		
1600.0	1608.9	12.00	60.85	51.7	92.6	-38.2	106.1	9 5/8" SURFACE CASING		
4155.2	4221.3	12.00	60.85	316.3	567.1	-233.9	649.3	END OF TANGENT		
4751.0	4821.4	0.00	0.00	346.8	621.8	-256.5	712.0	EOD TO VERTICAL		
6997.0	7067.4	0.00	0.00	346.8	621.8	-256.5	712.0	KOP (10°/100ft BUR)		
7570.0	7967.5	90.00	180.07	-226.2	621.1	310.8	1285.0	LANDING PNT - SELTZER 5		
7570.0	12105.1	90.00	180.08	-4363.8	615.9	4407.0	5422.5	BHL - SELTZER 5		

WELLBORE TARGET DETAILS (LAT/LONG)					
Name	TVD	+N/-S	+E/-W	Latitude	Longitude
KOP - SELTZER 5	6997.0	346.8	621.8	40.000670	-104.890277
LANDING PNT - SELTZER 5	7570.0	-226.2	621.1	39.999097	-104.890279
BHL - SELTZER 5	7570.0	-4363.8	615.9	39.987739	-104.890298



Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well SELTZER 5
Company:	EXTRACTION OIL & GAS	TVD Reference:	KB-EST @ 5098.0usft (Original Well Elev)
Project:	WELD COUNTY, COLORADO (NAD 83)	MD Reference:	KB-EST @ 5098.0usft (Original Well Elev)
Site:	NW NE SEC. 4 T1S R67W 6th P.M.	North Reference:	True
Well:	SELTZER 5	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	NW NE SEC. 4 T1S R67W 6th P.M.		
Site Position:		Northing:	1,243,328.66 usft
From:	Lat/Long	Easting:	3,170,368.61 usft
Position Uncertainty:	0.0 usft	Slot Radius:	1.10000ft
		Latitude:	39.999719
		Longitude:	-104.891872
		Grid Convergence:	0.39 °

Well	SELTZER 5		
Well Position	+N/-S	-0.4 usft	Northing:
	+E/-W	-174.8 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	39.999718
		Longitude:	-104.892496
		Ground Level:	5,082.0 usft

Wellbore	ORIGINAL WELLBORE				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	13/10/2015	8.42	66.55	52,358

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 (°)
	7,570.0	0.0	0.0	171.97

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	-5,098.0	0.0	0.0	0.00	0.00	0.00	0.00	
800.0	0.00	0.00	800.0	-4,298.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,400.2	12.00	60.85	1,395.8	-3,702.2	30.5	54.7	2.00	2.00	0.00	60.85	
4,221.3	12.00	60.85	4,155.2	-942.8	316.3	567.1	0.00	0.00	0.00	0.00	
4,821.4	0.00	0.00	4,751.0	-347.0	346.8	621.8	2.00	-2.00	0.00	180.00	
7,067.4	0.00	0.00	6,997.0	1,899.0	346.8	621.8	0.00	0.00	0.00	0.00	KOP - SELTZER 5
7,967.5	90.00	180.07	7,570.0	2,472.0	-226.2	621.1	10.00	10.00	-19.99	180.07	LANDING PNT - SE
12,105.1	90.00	180.08	7,570.0	2,472.0	-4,363.8	615.9	0.00	0.00	0.00	96.35	BHL - SELTZER 5

Planning Report



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Project:	WELD COUNTY, COLORADO (NAD 83)	MD Reference:	KB-EST @ 5098.0usft (Original Well Elev)
Site:	NW NE SEC. 4 T1S R67W 6th P.M.	North Reference:	True
Well:	SELTZER 5	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	5,098.00	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	4,998.00	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	4,898.00	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	4,798.00	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	4,698.00	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	4,598.00	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	4,498.00	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	4,398.00	0.0	0.0	0.0	0.00	0.00	0.00
START NUDGE (2°/100ft BUR)										
800.0	0.00	0.00	800.0	4,298.00	0.0	0.0	0.0	0.00	0.00	0.00
900.0	2.00	60.85	900.0	4,198.02	0.9	1.5	-0.6	2.00	2.00	0.00
1,000.0	4.00	60.85	999.8	4,098.16	3.4	6.1	-2.5	2.00	2.00	0.00
1,100.0	6.00	60.85	1,099.5	3,998.55	7.6	13.7	-5.7	2.00	2.00	0.00
1,200.0	8.00	60.85	1,198.7	3,899.30	13.6	24.3	-10.0	2.00	2.00	0.00
1,300.0	10.00	60.85	1,297.5	3,800.53	21.2	38.0	-15.7	2.00	2.00	0.00
1,400.0	12.00	60.85	1,395.6	3,702.38	30.5	54.7	-22.6	2.00	2.00	0.00
EOB TO 12° INC										
1,400.2	12.00	60.85	1,395.8	3,702.22	30.5	54.7	-22.6	2.00	2.00	0.00
1,500.0	12.00	60.85	1,493.4	3,604.56	40.6	72.8	-30.0	0.00	0.00	0.00
1,600.0	12.00	60.85	1,591.3	3,506.75	50.8	91.0	-37.5	0.00	0.00	0.00
9 5/8" SURFACE CASING										
1,608.9	12.00	60.85	1,600.0	3,498.00	51.7	92.6	-38.2	0.00	0.00	0.00
1,700.0	12.00	60.85	1,689.1	3,408.94	60.9	109.2	-45.0	0.00	0.00	0.00
1,800.0	12.00	60.85	1,786.9	3,311.12	71.0	127.3	-52.5	0.00	0.00	0.00
1,900.0	12.00	60.85	1,884.7	3,213.31	81.1	145.5	-60.0	0.00	0.00	0.00
2,000.0	12.00	60.85	1,982.5	3,115.50	91.3	163.7	-67.5	0.00	0.00	0.00
2,100.0	12.00	60.85	2,080.3	3,017.68	101.4	181.8	-75.0	0.00	0.00	0.00
2,200.0	12.00	60.85	2,178.1	2,919.87	111.5	200.0	-82.5	0.00	0.00	0.00
2,300.0	12.00	60.85	2,275.9	2,822.05	121.7	218.1	-90.0	0.00	0.00	0.00
2,400.0	12.00	60.85	2,373.8	2,724.24	131.8	236.3	-97.5	0.00	0.00	0.00
2,500.0	12.00	60.85	2,471.6	2,626.43	141.9	254.5	-105.0	0.00	0.00	0.00
2,600.0	12.00	60.85	2,569.4	2,528.61	152.1	272.6	-112.5	0.00	0.00	0.00
2,700.0	12.00	60.85	2,667.2	2,430.80	162.2	290.8	-120.0	0.00	0.00	0.00
2,800.0	12.00	60.85	2,765.0	2,332.99	172.3	309.0	-127.4	0.00	0.00	0.00
2,900.0	12.00	60.85	2,862.8	2,235.17	182.4	327.1	-134.9	0.00	0.00	0.00
3,000.0	12.00	60.85	2,960.6	2,137.36	192.6	345.3	-142.4	0.00	0.00	0.00
3,100.0	12.00	60.85	3,058.5	2,039.55	202.7	363.4	-149.9	0.00	0.00	0.00
3,200.0	12.00	60.85	3,156.3	1,941.73	212.8	381.6	-157.4	0.00	0.00	0.00
3,300.0	12.00	60.85	3,254.1	1,843.92	223.0	399.8	-164.9	0.00	0.00	0.00
3,400.0	12.00	60.85	3,351.9	1,746.11	233.1	417.9	-172.4	0.00	0.00	0.00
3,500.0	12.00	60.85	3,449.7	1,648.29	243.2	436.1	-179.9	0.00	0.00	0.00
3,600.0	12.00	60.85	3,547.5	1,550.48	253.4	454.3	-187.4	0.00	0.00	0.00
3,700.0	12.00	60.85	3,645.3	1,452.66	263.5	472.4	-194.9	0.00	0.00	0.00
3,800.0	12.00	60.85	3,743.1	1,354.85	273.6	490.6	-202.4	0.00	0.00	0.00
3,900.0	12.00	60.85	3,841.0	1,257.04	283.7	508.7	-209.9	0.00	0.00	0.00
4,000.0	12.00	60.85	3,938.8	1,159.22	293.9	526.9	-217.4	0.00	0.00	0.00
4,100.0	12.00	60.85	4,036.6	1,061.41	304.0	545.1	-224.8	0.00	0.00	0.00
PARKMAN										
4,195.5	12.00	60.85	4,130.0	968.00	313.7	562.4	-232.0	0.00	0.00	0.00
4,200.0	12.00	60.85	4,134.4	963.60	314.1	563.2	-232.3	0.00	0.00	0.00
END OF TANGENT										
4,221.3	12.00	60.85	4,155.2	942.78	316.3	567.1	-233.9	0.00	0.00	0.00
4,300.0	10.43	60.85	4,232.4	865.57	323.7	580.5	-239.4	2.00	-2.00	0.00
4,400.0	8.43	60.85	4,331.1	766.92	331.7	594.8	-245.3	2.00	-2.00	0.00

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Well:	SELTZER 5	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)
4,500.0	6.43	60.85	4,430.2	667.77	338.0	606.1	-250.0	2.00	-2.00	0.00
4,600.0	4.43	60.85	4,529.8	568.22	342.6	614.3	-253.4	2.00	-2.00	0.00
4,700.0	2.43	60.85	4,629.6	468.41	345.5	619.6	-255.6	2.00	-2.00	0.00
4,800.0	0.43	60.85	4,729.6	368.44	346.8	621.7	-256.5	2.00	-2.00	0.00
EOD TO VERTICAL										
4,821.4	0.00	0.00	4,751.0	347.00	346.8	621.8	-256.5	2.00	-2.00	0.00
4,900.0	0.00	0.00	4,829.6	268.44	346.8	621.8	-256.5	0.00	0.00	0.00
5,000.0	0.00	0.00	4,929.6	168.44	346.8	621.8	-256.5	0.00	0.00	0.00
SUSSEX										
5,040.4	0.00	0.00	4,970.0	128.00	346.8	621.8	-256.5	0.00	0.00	0.00
5,100.0	0.00	0.00	5,029.6	68.44	346.8	621.8	-256.5	0.00	0.00	0.00
5,200.0	0.00	0.00	5,129.6	-31.56	346.8	621.8	-256.5	0.00	0.00	0.00
5,300.0	0.00	0.00	5,229.6	-131.56	346.8	621.8	-256.5	0.00	0.00	0.00
5,400.0	0.00	0.00	5,329.6	-231.56	346.8	621.8	-256.5	0.00	0.00	0.00
5,500.0	0.00	0.00	5,429.6	-331.56	346.8	621.8	-256.5	0.00	0.00	0.00
5,600.0	0.00	0.00	5,529.6	-431.56	346.8	621.8	-256.5	0.00	0.00	0.00
5,700.0	0.00	0.00	5,629.6	-531.56	346.8	621.8	-256.5	0.00	0.00	0.00
5,800.0	0.00	0.00	5,729.6	-631.56	346.8	621.8	-256.5	0.00	0.00	0.00
5,900.0	0.00	0.00	5,829.6	-731.56	346.8	621.8	-256.5	0.00	0.00	0.00
6,000.0	0.00	0.00	5,929.6	-831.56	346.8	621.8	-256.5	0.00	0.00	0.00
6,100.0	0.00	0.00	6,029.6	-931.56	346.8	621.8	-256.5	0.00	0.00	0.00
6,200.0	0.00	0.00	6,129.6	-1,031.56	346.8	621.8	-256.5	0.00	0.00	0.00
6,300.0	0.00	0.00	6,229.6	-1,131.56	346.8	621.8	-256.5	0.00	0.00	0.00
SHANNON										
6,350.4	0.00	0.00	6,280.0	-1,182.00	346.8	621.8	-256.5	0.00	0.00	0.00
6,400.0	0.00	0.00	6,329.6	-1,231.56	346.8	621.8	-256.5	0.00	0.00	0.00
6,500.0	0.00	0.00	6,429.6	-1,331.56	346.8	621.8	-256.5	0.00	0.00	0.00
6,600.0	0.00	0.00	6,529.6	-1,431.56	346.8	621.8	-256.5	0.00	0.00	0.00
6,700.0	0.00	0.00	6,629.6	-1,531.56	346.8	621.8	-256.5	0.00	0.00	0.00
6,800.0	0.00	0.00	6,729.6	-1,631.56	346.8	621.8	-256.5	0.00	0.00	0.00
6,900.0	0.00	0.00	6,829.6	-1,731.56	346.8	621.8	-256.5	0.00	0.00	0.00
7,000.0	0.00	0.00	6,929.6	-1,831.56	346.8	621.8	-256.5	0.00	0.00	0.00
KOP (10°/100ft BUR)										
7,067.4	0.00	0.00	6,997.0	-1,899.00	346.8	621.8	-256.5	0.00	0.00	0.00
7,100.0	3.26	180.07	7,029.5	-1,931.54	345.9	621.8	-255.6	10.00	10.00	0.00
7,200.0	13.25	180.07	7,128.4	-2,030.38	331.5	621.8	-241.4	10.00	10.00	0.00
7,300.0	23.25	180.07	7,223.2	-2,125.23	300.3	621.7	-210.4	10.00	10.00	0.00
7,400.0	33.25	180.07	7,311.2	-2,213.20	253.0	621.7	-163.6	10.00	10.00	0.00
7,500.0	43.25	180.07	7,389.6	-2,291.63	191.1	621.6	-102.4	10.00	10.00	0.00
SHARON SPRINGS										
7,543.3	47.58	180.07	7,420.0	-2,322.00	160.3	621.6	-71.9	10.00	10.00	0.00
NIOBRARA										
7,573.8	50.64	180.07	7,440.0	-2,342.00	137.2	621.6	-49.0	10.00	10.00	0.00
7,600.0	53.25	180.07	7,456.1	-2,358.13	116.6	621.5	-28.6	10.00	10.00	0.00
7,700.0	63.25	180.07	7,508.7	-2,410.68	31.7	621.4	55.5	10.00	10.00	0.00
7,800.0	73.25	180.07	7,545.7	-2,447.69	-61.1	621.3	147.3	10.00	10.00	0.00
7,900.0	83.25	180.07	7,566.0	-2,468.03	-158.8	621.2	244.1	10.00	10.00	0.00
LANDING PNT - SELTZER 5 - NIO B										
7,967.5	90.00	180.07	7,570.0	-2,472.00	-226.2	621.1	310.8	10.00	10.00	0.00
8,000.0	90.00	180.07	7,570.0	-2,472.00	-258.7	621.1	343.0	0.00	0.00	0.00
8,100.0	90.00	180.07	7,570.0	-2,472.00	-358.7	621.0	442.0	0.00	0.00	0.00
8,200.0	90.00	180.07	7,570.0	-2,472.00	-458.7	620.9	541.0	0.00	0.00	0.00
8,300.0	90.00	180.07	7,570.0	-2,472.00	-558.7	620.7	640.0	0.00	0.00	0.00

Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well SELTZER 5
Company:	EXTRACTION OIL & GAS	TVD Reference:	KB-EST @ 5098.0usft (Original Well Elev)
Project:	WELD COUNTY, COLORADO (NAD 83)	MD Reference:	KB-EST @ 5098.0usft (Original Well Elev)
Site:	NW NE SEC. 4 T1S R67W 6th P.M.	North Reference:	True
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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)
8,400.0	90.00	180.07	7,570.0	-2,472.00	-658.7	620.6	739.0	0.00	0.00	0.00
8,500.0	90.00	180.07	7,570.0	-2,472.00	-758.7	620.5	838.0	0.00	0.00	0.00
8,600.0	90.00	180.07	7,570.0	-2,471.99	-858.7	620.4	937.0	0.00	0.00	0.00
8,700.0	90.00	180.07	7,570.0	-2,471.99	-958.7	620.3	1,036.0	0.00	0.00	0.00
8,800.0	90.00	180.07	7,570.0	-2,471.99	-1,058.7	620.1	1,135.0	0.00	0.00	0.00
8,900.0	90.00	180.07	7,570.0	-2,471.99	-1,158.7	620.0	1,234.0	0.00	0.00	0.00
9,000.0	90.00	180.07	7,570.0	-2,471.99	-1,258.7	619.9	1,333.0	0.00	0.00	0.00
9,100.0	90.00	180.07	7,570.0	-2,471.99	-1,358.7	619.8	1,432.0	0.00	0.00	0.00
9,200.0	90.00	180.07	7,570.0	-2,471.99	-1,458.7	619.7	1,531.0	0.00	0.00	0.00
9,300.0	90.00	180.07	7,570.0	-2,471.99	-1,558.7	619.5	1,630.0	0.00	0.00	0.00
9,400.0	90.00	180.07	7,570.0	-2,471.99	-1,658.7	619.4	1,729.0	0.00	0.00	0.00
9,500.0	90.00	180.07	7,570.0	-2,471.99	-1,758.7	619.3	1,828.0	0.00	0.00	0.00
9,600.0	90.00	180.07	7,570.0	-2,471.99	-1,858.7	619.2	1,927.0	0.00	0.00	0.00
9,700.0	90.00	180.07	7,570.0	-2,471.99	-1,958.7	619.0	2,026.0	0.00	0.00	0.00
9,800.0	90.00	180.07	7,570.0	-2,471.99	-2,058.7	618.9	2,125.0	0.00	0.00	0.00
9,900.0	90.00	180.07	7,570.0	-2,471.99	-2,158.7	618.8	2,224.0	0.00	0.00	0.00
10,000.0	90.00	180.07	7,570.0	-2,471.99	-2,258.7	618.7	2,323.0	0.00	0.00	0.00
10,100.0	90.00	180.07	7,570.0	-2,471.99	-2,358.7	618.5	2,422.0	0.00	0.00	0.00
10,200.0	90.00	180.07	7,570.0	-2,471.99	-2,458.7	618.4	2,521.0	0.00	0.00	0.00
10,300.0	90.00	180.07	7,570.0	-2,471.99	-2,558.7	618.3	2,620.0	0.00	0.00	0.00
10,400.0	90.00	180.07	7,570.0	-2,471.99	-2,658.7	618.2	2,719.0	0.00	0.00	0.00
10,500.0	90.00	180.07	7,570.0	-2,471.99	-2,758.7	618.0	2,818.0	0.00	0.00	0.00
10,600.0	90.00	180.07	7,570.0	-2,471.99	-2,858.7	617.9	2,917.0	0.00	0.00	0.00
10,700.0	90.00	180.07	7,570.0	-2,471.99	-2,958.7	617.8	3,016.0	0.00	0.00	0.00
10,800.0	90.00	180.07	7,570.0	-2,471.99	-3,058.7	617.6	3,115.0	0.00	0.00	0.00
10,900.0	90.00	180.07	7,570.0	-2,471.99	-3,158.7	617.5	3,214.0	0.00	0.00	0.00
11,000.0	90.00	180.07	7,570.0	-2,471.99	-3,258.7	617.4	3,313.0	0.00	0.00	0.00
11,100.0	90.00	180.07	7,570.0	-2,471.99	-3,358.7	617.2	3,412.0	0.00	0.00	0.00
11,200.0	90.00	180.08	7,570.0	-2,471.99	-3,458.7	617.1	3,511.0	0.00	0.00	0.00
11,300.0	90.00	180.08	7,570.0	-2,471.99	-3,558.7	617.0	3,610.0	0.00	0.00	0.00
11,400.0	90.00	180.08	7,570.0	-2,471.99	-3,658.7	616.9	3,709.0	0.00	0.00	0.00
11,500.0	90.00	180.08	7,570.0	-2,471.99	-3,758.7	616.7	3,808.0	0.00	0.00	0.00
11,600.0	90.00	180.08	7,570.0	-2,472.00	-3,858.7	616.6	3,907.0	0.00	0.00	0.00
11,700.0	90.00	180.08	7,570.0	-2,472.00	-3,958.7	616.5	4,006.0	0.00	0.00	0.00
11,800.0	90.00	180.08	7,570.0	-2,472.00	-4,058.7	616.3	4,105.0	0.00	0.00	0.00
11,900.0	90.00	180.08	7,570.0	-2,472.00	-4,158.7	616.2	4,204.0	0.00	0.00	0.00
12,000.0	90.00	180.08	7,570.0	-2,472.00	-4,258.7	616.1	4,303.0	0.00	0.00	0.00
12,100.0	90.00	180.08	7,570.0	-2,472.00	-4,358.7	615.9	4,402.0	0.00	0.00	0.00
BHL - SELTZER 5										
12,105.1	90.00	180.08	7,570.0	-2,472.00	-4,363.8	615.9	4,407.0	0.01	0.00	0.01

Formations

MD (usft)	TVD (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
4,195.5	4,130.0	PARKMAN			
5,040.4	4,970.0	SUSSEX			
6,350.4	6,280.0	SHANNON			
7,543.3	7,420.0	SHARON SPRINGS			
7,573.8	7,440.0	NIOBRARA			
7,967.5	7,570.0	NIO B			

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well SELTZER 5
Company:	EXTRACTION OIL & GAS	TVD Reference:	KB-EST @ 5098.0usft (Original Well Elev)
Project:	WELD COUNTY, COLORADO (NAD 83)	MD Reference:	KB-EST @ 5098.0usft (Original Well Elev)
Site:	NW NE SEC. 4 T1S R67W 6th P.M.	North Reference:	True
Well:	SELTZER 5	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #1		

Plan Annotations

MD (usft)	TVD (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
800.0	800.0	0.0	0.0	START NUDGE (2°/100ft BUR)
1,400.2	1,395.8	30.5	54.7	EOB TO 12° INC
1,608.9	1,600.0	51.7	92.6	9 5/8" SURFACE CASING
4,221.3	4,155.2	316.3	567.1	END OF TANGENT
4,821.4	4,751.0	346.8	621.8	EOD TO VERTICAL
7,067.4	6,997.0	346.8	621.8	KOP (10°/100ft BUR)
7,967.5	7,570.0	-226.2	621.1	LANDING PNT - SELTZER 5
12,105.1	7,570.0	-4,363.8	615.9	BHL - SELTZER 5