

EXTRACTION OIL & GAS

WELD COUNTY, COLORADO (NAD 83)

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

SELTZER 3

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 3
Wellbore: ORIGINAL WELLBORE
Design: PROPOSAL #1

ANNOTATIONS									
TVD	MD	Inc	Azi	+N/-S	+E/-W	VSect	Dep	Annotation	
1600.0	1600.0	0.00	0.00	0.0	0.0	0.0	0.0	9 5/8" SURFACE CASING	
1700.0	1700.0	0.00	0.00	0.0	0.0	0.0	0.0	START NUDGE (2°/100ft BUR)	
2295.9	2300.2	12.00	1.97	62.6	2.2	-62.6	62.7	EOB TO 12° INC	
3335.1	3362.8	12.00	1.97	283.5	9.7	-283.5	283.7	END OF TANGENT	
3931.0	3963.0	0.00	0.00	346.1	11.9	-346.1	346.3	EOD TO VERTICAL	
6997.0	7029.0	0.00	0.00	346.1	11.9	-346.1	346.3	KOP (10°/100ft BUR)	
7570.0	7929.1	90.00	180.07	-226.9	11.2	226.9	919.3	LANDING PNT - SELTZER 3	
7570.0	12077.9	90.00	180.06	-4375.8	6.4	4375.8	5068.2	BHL - SELTZER 3	

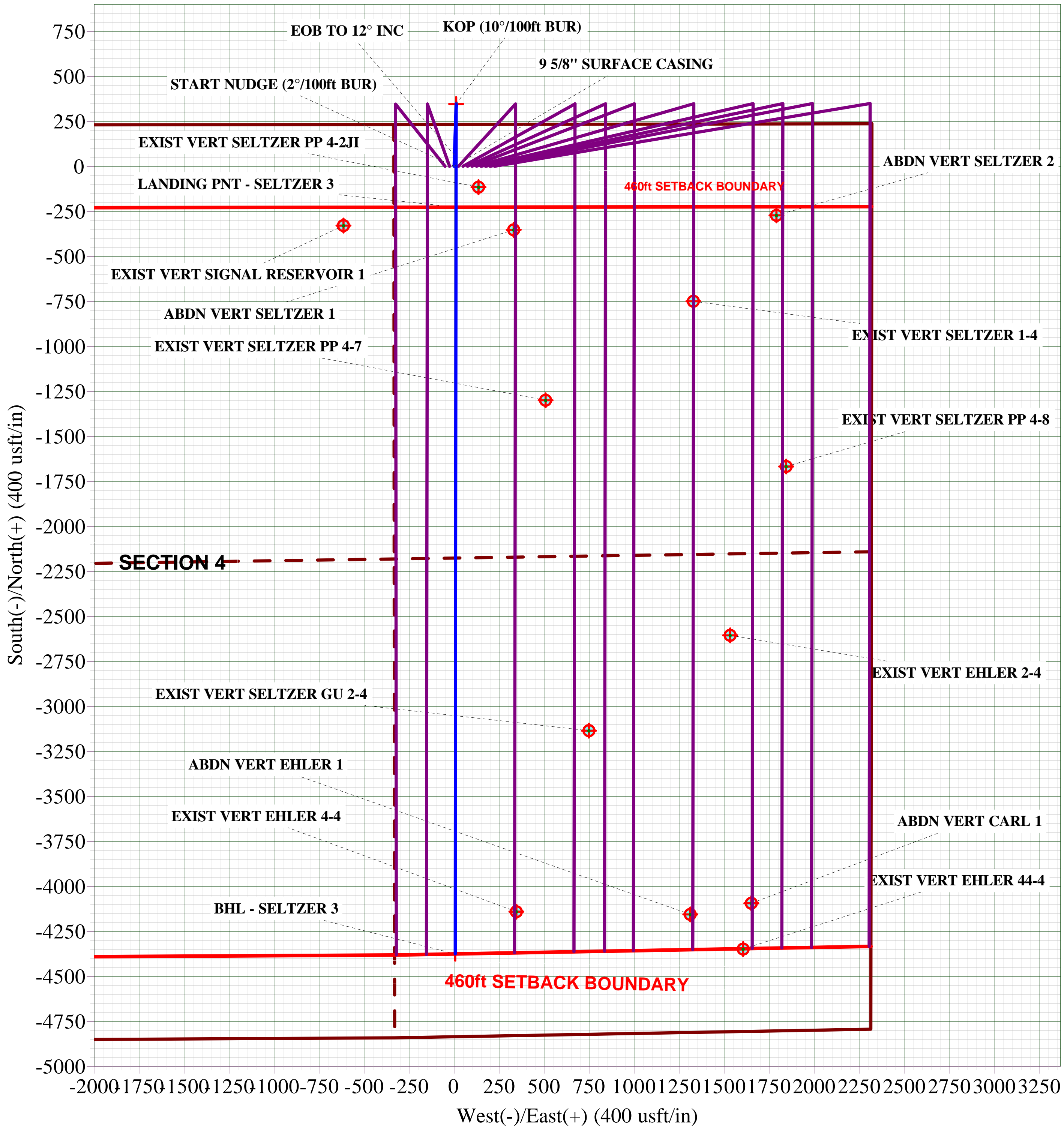
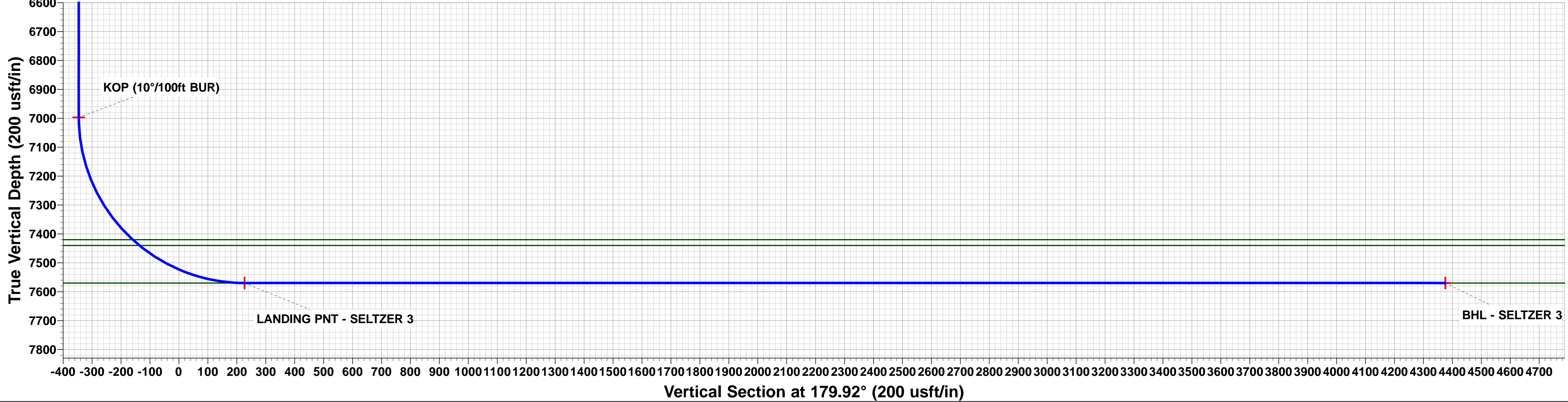
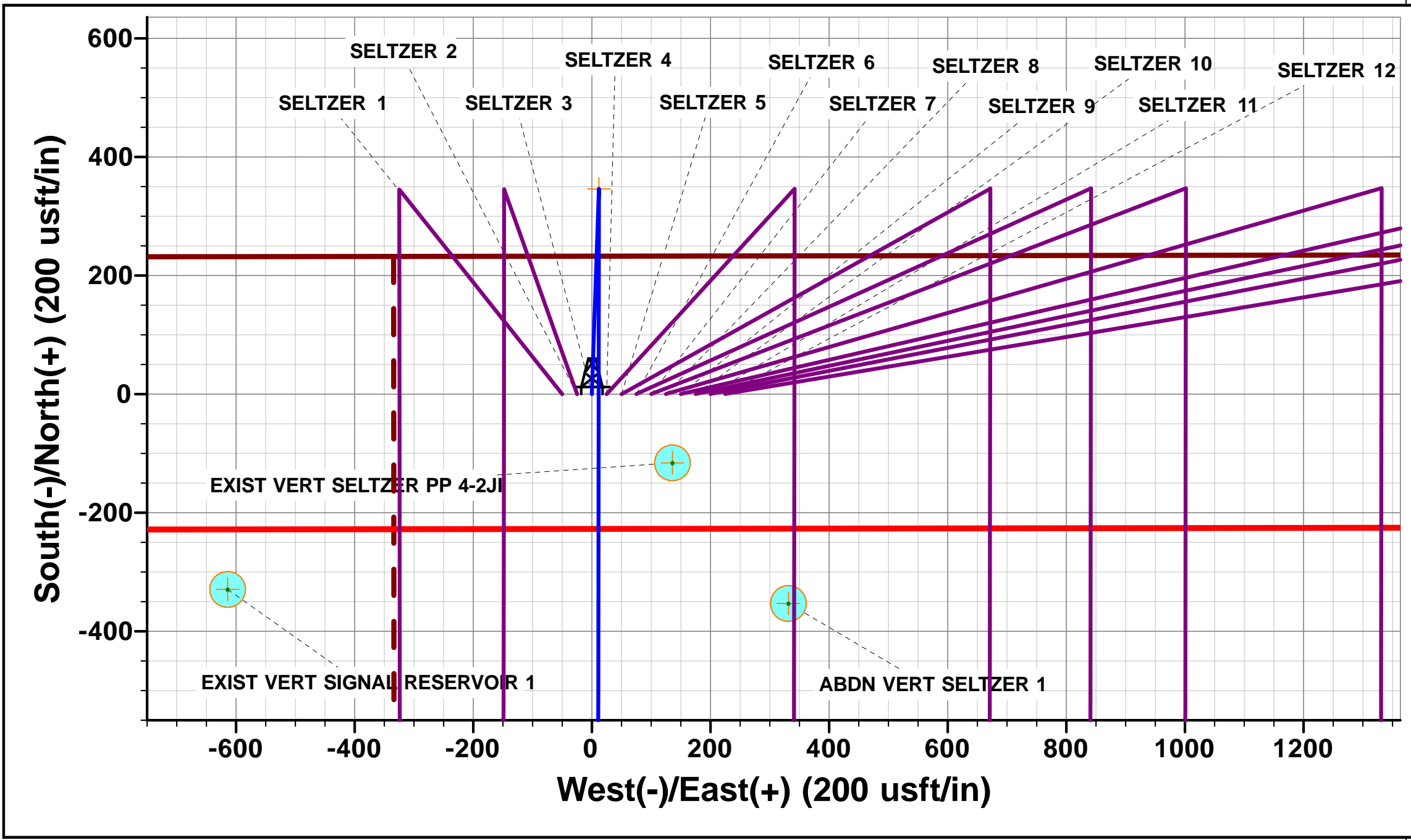
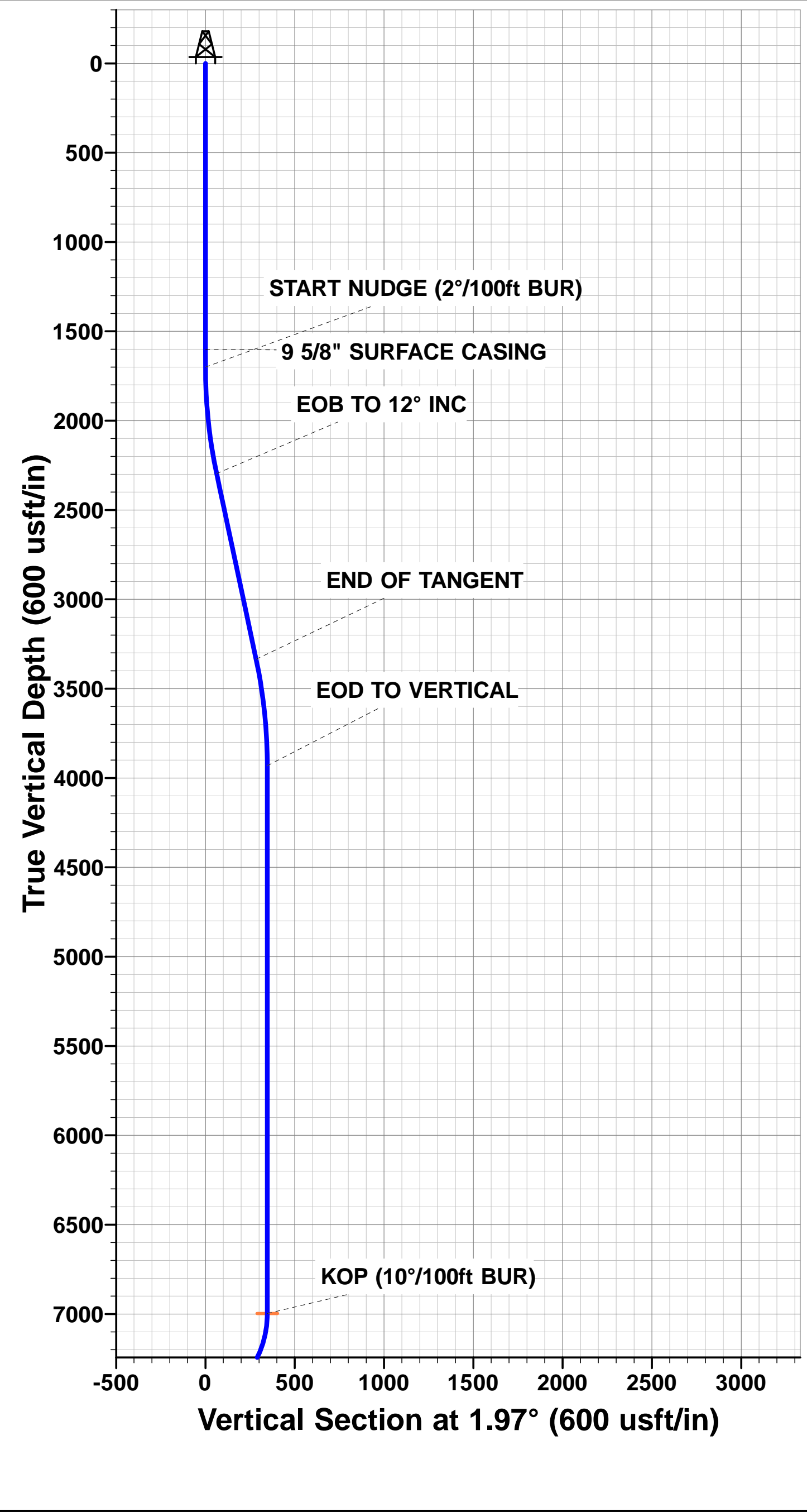
PROPOSED LOCAL COORDINATES:

SHL: 233ft FNL & 2322ft FEL Sec 4

LANDING PNT: 460ft FNL & 2310ft FEL Sec 4

BHL: 460ft FSL & 2310ft FEL Sec 4

WELLBORE TARGET DETAILS (LAT/LONG)					
Name	TVD	+N/-S	+E/-W	Latitude	Longitude
KOP - SELTZER 3	6997.0	346.1	11.9	40.000668	-104.892633
LANDING PNT - SELTZER 3	7570.0	-226.9	11.2	39.999095	-104.892635
BHL - SELTZER 3	7570.0	-4375.8	6.4	39.987706	-104.892652



Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well SELTZER 3
Company:	EXTRACTION OIL & GAS	TVD Reference:	KB-EST @ 5099.0usft (Original Well Elev)
Project:	WELD COUNTY, COLORADO (NAD 83)	MD Reference:	KB-EST @ 5099.0usft (Original Well Elev)
Site:	NW NE SEC. 4 T1S R67W 6th P.M.	North Reference:	True
Well:	SELTZER 3	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 3		
Well Position	+N/-S	-0.4 usft	Northing:
	+E/-W	-225.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	39.999718
		Longitude:	-104.892675
		Ground Level:	5,083.0 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	179.92

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	-5,099.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,700.0	0.00	0.00	1,700.0	-3,399.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,300.2	12.00	1.97	2,295.9	-2,803.1	62.6	2.2	2.00	2.00	0.00	1.97	
3,362.8	12.00	1.97	3,335.1	-1,763.9	283.5	9.7	0.00	0.00	0.00	0.00	
3,963.0	0.00	0.00	3,931.0	-1,168.0	346.1	11.9	2.00	-2.00	0.00	180.00	
7,029.0	0.00	0.00	6,997.0	1,898.0	346.1	11.9	0.00	0.00	0.00	0.00	KOP - SELTZER 3
7,929.1	90.00	180.07	7,570.0	2,471.0	-226.9	11.2	10.00	10.00	-19.99	180.07	LANDING PNT - SE
12,077.9	90.00	180.06	7,570.0	2,471.0	-4,375.8	6.4	0.00	0.00	0.00	-115.33	BHL - SELTZER 3

Planning Report



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Project:	WELD COUNTY, COLORADO (NAD 83)	MD Reference:	KB-EST @ 5099.0usft (Original Well Elev)
Site:	NW NE SEC. 4 T1S R67W 6th P.M.	North Reference:	True
Well:	SELTZER 3	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	5,099.00	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	4,999.00	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	4,899.00	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	4,799.00	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	4,699.00	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	4,599.00	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	4,499.00	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	4,399.00	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	4,299.00	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	4,199.00	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	4,099.00	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	3,999.00	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	3,899.00	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	3,799.00	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	3,699.00	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	3,599.00	0.0	0.0	0.0	0.00	0.00	0.00
9 5/8" SURFACE CASING										
1,600.0	0.00	0.00	1,600.0	3,499.00	0.0	0.0	0.0	0.00	0.00	0.00
START NUDGE (2°/100ft BUR)										
1,700.0	0.00	0.00	1,700.0	3,399.00	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	2.00	1.97	1,800.0	3,299.02	1.7	0.1	-1.7	2.00	2.00	0.00
1,900.0	4.00	1.97	1,899.8	3,199.16	7.0	0.2	-7.0	2.00	2.00	0.00
2,000.0	6.00	1.97	1,999.5	3,099.55	15.7	0.5	-15.7	2.00	2.00	0.00
2,100.0	8.00	1.97	2,098.7	3,000.30	27.9	1.0	-27.9	2.00	2.00	0.00
2,200.0	10.00	1.97	2,197.5	2,901.53	43.5	1.5	-43.5	2.00	2.00	0.00
2,300.0	12.00	1.97	2,295.6	2,803.38	62.6	2.2	-62.6	2.00	2.00	0.00
EOB TO 12° INC										
2,300.2	12.00	1.97	2,295.9	2,803.14	62.6	2.2	-62.6	2.00	2.00	0.00
2,400.0	12.00	1.97	2,393.4	2,705.56	83.4	2.9	-83.3	0.00	0.00	0.00
2,500.0	12.00	1.97	2,491.2	2,607.75	104.1	3.6	-104.1	0.00	0.00	0.00
2,600.0	12.00	1.97	2,589.1	2,509.94	124.9	4.3	-124.9	0.00	0.00	0.00
2,700.0	12.00	1.97	2,686.9	2,412.12	145.7	5.0	-145.7	0.00	0.00	0.00
2,800.0	12.00	1.97	2,784.7	2,314.31	166.5	5.7	-166.5	0.00	0.00	0.00
2,900.0	12.00	1.97	2,882.5	2,216.50	187.3	6.4	-187.3	0.00	0.00	0.00
3,000.0	12.00	1.97	2,980.3	2,118.69	208.1	7.2	-208.1	0.00	0.00	0.00
3,100.0	12.00	1.97	3,078.1	2,020.87	228.9	7.9	-228.9	0.00	0.00	0.00
3,200.0	12.00	1.97	3,175.9	1,923.06	249.7	8.6	-249.6	0.00	0.00	0.00
3,300.0	12.00	1.97	3,273.8	1,825.25	270.4	9.3	-270.4	0.00	0.00	0.00
END OF TANGENT										
3,362.8	12.00	1.97	3,335.1	1,763.86	283.5	9.7	-283.5	0.00	0.00	0.00
3,400.0	11.26	1.97	3,371.6	1,727.38	291.0	10.0	-291.0	2.00	-2.00	0.00
3,500.0	9.26	1.97	3,470.0	1,628.99	308.8	10.6	-308.8	2.00	-2.00	0.00
3,600.0	7.26	1.97	3,569.0	1,530.03	323.1	11.1	-323.1	2.00	-2.00	0.00
3,700.0	5.26	1.97	3,668.4	1,430.63	334.0	11.5	-334.0	2.00	-2.00	0.00
3,800.0	3.26	1.97	3,768.1	1,330.91	341.5	11.7	-341.4	2.00	-2.00	0.00
3,900.0	1.26	1.97	3,868.0	1,231.00	345.4	11.9	-345.4	2.00	-2.00	0.00
EOD TO VERTICAL										
3,963.0	0.00	0.00	3,931.0	1,168.00	346.1	11.9	-346.1	2.00	-2.00	0.00
4,000.0	0.00	0.00	3,968.0	1,131.00	346.1	11.9	-346.1	0.00	0.00	0.00
4,100.0	0.00	0.00	4,068.0	1,031.00	346.1	11.9	-346.1	0.00	0.00	0.00
PARKMAN										
4,162.0	0.00	0.00	4,130.0	969.00	346.1	11.9	-346.1	0.00	0.00	0.00
4,200.0	0.00	0.00	4,168.0	931.00	346.1	11.9	-346.1	0.00	0.00	0.00

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Well:	SELTZER 3	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)
4,300.0	0.00	0.00	4,268.0	831.00	346.1	11.9	-346.1	0.00	0.00	0.00
4,400.0	0.00	0.00	4,368.0	731.00	346.1	11.9	-346.1	0.00	0.00	0.00
4,500.0	0.00	0.00	4,468.0	631.00	346.1	11.9	-346.1	0.00	0.00	0.00
4,600.0	0.00	0.00	4,568.0	531.00	346.1	11.9	-346.1	0.00	0.00	0.00
4,700.0	0.00	0.00	4,668.0	431.00	346.1	11.9	-346.1	0.00	0.00	0.00
4,800.0	0.00	0.00	4,768.0	331.00	346.1	11.9	-346.1	0.00	0.00	0.00
4,900.0	0.00	0.00	4,868.0	231.00	346.1	11.9	-346.1	0.00	0.00	0.00
5,000.0	0.00	0.00	4,968.0	131.00	346.1	11.9	-346.1	0.00	0.00	0.00
SUSSEX										
5,002.0	0.00	0.00	4,970.0	129.00	346.1	11.9	-346.1	0.00	0.00	0.00
5,100.0	0.00	0.00	5,068.0	31.00	346.1	11.9	-346.1	0.00	0.00	0.00
5,200.0	0.00	0.00	5,168.0	-69.00	346.1	11.9	-346.1	0.00	0.00	0.00
5,300.0	0.00	0.00	5,268.0	-169.00	346.1	11.9	-346.1	0.00	0.00	0.00
5,400.0	0.00	0.00	5,368.0	-269.00	346.1	11.9	-346.1	0.00	0.00	0.00
5,500.0	0.00	0.00	5,468.0	-369.00	346.1	11.9	-346.1	0.00	0.00	0.00
5,600.0	0.00	0.00	5,568.0	-469.00	346.1	11.9	-346.1	0.00	0.00	0.00
5,700.0	0.00	0.00	5,668.0	-569.00	346.1	11.9	-346.1	0.00	0.00	0.00
5,800.0	0.00	0.00	5,768.0	-669.00	346.1	11.9	-346.1	0.00	0.00	0.00
5,900.0	0.00	0.00	5,868.0	-769.00	346.1	11.9	-346.1	0.00	0.00	0.00
6,000.0	0.00	0.00	5,968.0	-869.00	346.1	11.9	-346.1	0.00	0.00	0.00
6,100.0	0.00	0.00	6,068.0	-969.00	346.1	11.9	-346.1	0.00	0.00	0.00
6,200.0	0.00	0.00	6,168.0	-1,069.00	346.1	11.9	-346.1	0.00	0.00	0.00
6,300.0	0.00	0.00	6,268.0	-1,169.00	346.1	11.9	-346.1	0.00	0.00	0.00
SHANNON										
6,312.0	0.00	0.00	6,280.0	-1,181.00	346.1	11.9	-346.1	0.00	0.00	0.00
6,400.0	0.00	0.00	6,368.0	-1,269.00	346.1	11.9	-346.1	0.00	0.00	0.00
6,500.0	0.00	0.00	6,468.0	-1,369.00	346.1	11.9	-346.1	0.00	0.00	0.00
6,600.0	0.00	0.00	6,568.0	-1,469.00	346.1	11.9	-346.1	0.00	0.00	0.00
6,700.0	0.00	0.00	6,668.0	-1,569.00	346.1	11.9	-346.1	0.00	0.00	0.00
6,800.0	0.00	0.00	6,768.0	-1,669.00	346.1	11.9	-346.1	0.00	0.00	0.00
6,900.0	0.00	0.00	6,868.0	-1,769.00	346.1	11.9	-346.1	0.00	0.00	0.00
7,000.0	0.00	0.00	6,968.0	-1,869.00	346.1	11.9	-346.1	0.00	0.00	0.00
KOP (10°/100ft BUR)										
7,029.0	0.00	0.00	6,997.0	-1,898.00	346.1	11.9	-346.1	0.00	0.00	0.00
7,100.0	7.10	180.07	7,067.8	-1,968.82	341.7	11.9	-341.7	10.00	10.00	0.00
7,200.0	17.10	180.07	7,165.5	-2,066.47	320.8	11.9	-320.8	10.00	10.00	0.00
7,300.0	27.10	180.07	7,258.0	-2,159.01	283.2	11.8	-283.2	10.00	10.00	0.00
7,400.0	37.10	180.07	7,342.6	-2,243.61	230.1	11.8	-230.1	10.00	10.00	0.00
7,500.0	47.10	180.07	7,416.7	-2,317.72	163.2	11.7	-163.2	10.00	10.00	0.00
SHARON SPRINGS										
7,504.8	47.58	180.07	7,420.0	-2,321.00	159.6	11.7	-159.6	10.00	10.00	0.00
NIOBRARA										
7,535.4	50.64	180.07	7,440.0	-2,341.00	136.5	11.6	-136.5	10.00	10.00	0.00
7,600.0	57.10	180.07	7,478.1	-2,379.08	84.4	11.6	-84.4	10.00	10.00	0.00
7,700.0	67.09	180.07	7,524.8	-2,425.82	-3.9	11.5	3.9	10.00	10.00	0.00
7,800.0	77.09	180.07	7,555.5	-2,456.53	-98.9	11.4	98.9	10.00	10.00	0.00
7,900.0	87.09	180.07	7,569.3	-2,470.26	-197.8	11.2	197.9	10.00	10.00	0.00
LANDING PNT - SELTZER 3 - NIO B										
7,929.1	90.00	180.07	7,570.0	-2,471.00	-226.9	11.2	226.9	10.00	10.00	0.00
8,000.0	90.00	180.07	7,570.0	-2,471.00	-297.8	11.1	297.8	0.00	0.00	0.00
8,100.0	90.00	180.07	7,570.0	-2,471.00	-397.8	11.0	397.8	0.00	0.00	0.00
8,200.0	90.00	180.07	7,570.0	-2,470.99	-497.8	10.9	497.8	0.00	0.00	0.00
8,300.0	90.00	180.07	7,570.0	-2,470.99	-597.8	10.8	597.8	0.00	0.00	0.00

Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well SELTZER 3
Company:	EXTRACTION OIL & GAS	TVD Reference:	KB-EST @ 5099.0usft (Original Well Elev)
Project:	WELD COUNTY, COLORADO (NAD 83)	MD Reference:	KB-EST @ 5099.0usft (Original Well Elev)
Site:	NW NE SEC. 4 T1S R67W 6th P.M.	North Reference:	True
Well:	SELTZER 3	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)
8,400.0	90.00	180.07	7,570.0	-2,470.99	-697.8	10.6	697.8	0.00	0.00	0.00
8,500.0	90.00	180.07	7,570.0	-2,470.99	-797.8	10.5	797.8	0.00	0.00	0.00
8,600.0	90.00	180.07	7,570.0	-2,470.98	-897.8	10.4	897.8	0.00	0.00	0.00
8,700.0	90.00	180.07	7,570.0	-2,470.98	-997.8	10.3	997.8	0.00	0.00	0.00
8,800.0	90.00	180.07	7,570.0	-2,470.98	-1,097.8	10.2	1,097.8	0.00	0.00	0.00
8,900.0	90.00	180.07	7,570.0	-2,470.98	-1,197.8	10.0	1,197.8	0.00	0.00	0.00
9,000.0	90.00	180.07	7,570.0	-2,470.98	-1,297.8	9.9	1,297.8	0.00	0.00	0.00
9,100.0	90.00	180.07	7,570.0	-2,470.98	-1,397.8	9.8	1,397.8	0.00	0.00	0.00
9,200.0	90.00	180.07	7,570.0	-2,470.97	-1,497.8	9.7	1,497.8	0.00	0.00	0.00
9,300.0	90.00	180.07	7,570.0	-2,470.97	-1,597.8	9.6	1,597.8	0.00	0.00	0.00
9,400.0	90.00	180.07	7,570.0	-2,470.97	-1,697.8	9.5	1,697.8	0.00	0.00	0.00
9,500.0	90.00	180.07	7,570.0	-2,470.97	-1,797.8	9.3	1,797.8	0.00	0.00	0.00
9,600.0	90.00	180.07	7,570.0	-2,470.97	-1,897.8	9.2	1,897.8	0.00	0.00	0.00
9,700.0	90.00	180.07	7,570.0	-2,470.97	-1,997.8	9.1	1,997.8	0.00	0.00	0.00
9,800.0	90.00	180.07	7,570.0	-2,470.97	-2,097.8	9.0	2,097.8	0.00	0.00	0.00
9,900.0	90.00	180.07	7,570.0	-2,470.97	-2,197.8	8.9	2,197.8	0.00	0.00	0.00
10,000.0	90.00	180.07	7,570.0	-2,470.97	-2,297.8	8.8	2,297.8	0.00	0.00	0.00
10,100.0	90.00	180.07	7,570.0	-2,470.97	-2,397.8	8.7	2,397.8	0.00	0.00	0.00
10,200.0	90.00	180.07	7,570.0	-2,470.97	-2,497.8	8.5	2,497.8	0.00	0.00	0.00
10,300.0	90.00	180.07	7,570.0	-2,470.97	-2,597.8	8.4	2,597.8	0.00	0.00	0.00
10,400.0	90.00	180.07	7,570.0	-2,470.97	-2,697.8	8.3	2,697.8	0.00	0.00	0.00
10,500.0	90.00	180.06	7,570.0	-2,470.97	-2,797.8	8.2	2,797.8	0.00	0.00	0.00
10,600.0	90.00	180.06	7,570.0	-2,470.97	-2,897.8	8.1	2,897.8	0.00	0.00	0.00
10,700.0	90.00	180.06	7,570.0	-2,470.97	-2,997.8	8.0	2,997.8	0.00	0.00	0.00
10,800.0	90.00	180.06	7,570.0	-2,470.97	-3,097.8	7.9	3,097.8	0.00	0.00	0.00
10,900.0	90.00	180.06	7,570.0	-2,470.98	-3,197.8	7.7	3,197.8	0.00	0.00	0.00
11,000.0	90.00	180.06	7,570.0	-2,470.98	-3,297.8	7.6	3,297.8	0.00	0.00	0.00
11,100.0	90.00	180.06	7,570.0	-2,470.98	-3,397.8	7.5	3,397.8	0.00	0.00	0.00
11,200.0	90.00	180.06	7,570.0	-2,470.98	-3,497.8	7.4	3,497.8	0.00	0.00	0.00
11,300.0	90.00	180.06	7,570.0	-2,470.98	-3,597.8	7.3	3,597.8	0.00	0.00	0.00
11,400.0	90.00	180.06	7,570.0	-2,470.98	-3,697.8	7.2	3,697.8	0.00	0.00	0.00
11,500.0	90.00	180.06	7,570.0	-2,470.99	-3,797.8	7.1	3,797.8	0.00	0.00	0.00
11,600.0	90.00	180.06	7,570.0	-2,470.99	-3,897.8	7.0	3,897.8	0.00	0.00	0.00
11,700.0	90.00	180.06	7,570.0	-2,470.99	-3,997.8	6.9	3,997.8	0.00	0.00	0.00
11,800.0	90.00	180.06	7,570.0	-2,470.99	-4,097.8	6.7	4,097.8	0.00	0.00	0.00
11,900.0	90.00	180.06	7,570.0	-2,470.99	-4,197.8	6.6	4,197.8	0.00	0.00	0.00
12,000.0	90.00	180.06	7,570.0	-2,471.00	-4,297.8	6.5	4,297.8	0.00	0.00	0.00
BHL - SELTZER 3										
12,077.9	90.00	180.06	7,570.0	-2,471.00	-4,375.8	6.4	4,375.8	0.00	0.00	0.00

Formations

MD (usft)	TVD (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
4,162.0	4,130.0	PARKMAN			
5,002.0	4,970.0	SUSSEX			
6,312.0	6,280.0	SHANNON			
7,504.8	7,420.0	SHARON SPRINGS			
7,535.4	7,440.0	NIOBRARA			
7,929.1	7,570.0	NIO B			

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well SELTZER 3
Company:	EXTRACTION OIL & GAS	TVD Reference:	KB-EST @ 5099.0usft (Original Well Elev)
Project:	WELD COUNTY, COLORADO (NAD 83)	MD Reference:	KB-EST @ 5099.0usft (Original Well Elev)
Site:	NW NE SEC. 4 T1S R67W 6th P.M.	North Reference:	True
Well:	SELTZER 3	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)	
1,600.0	1,600.0	0.0	0.0	9 5/8" SURFACE CASING
1,700.0	1,700.0	0.0	0.0	START NUDGE (2°/100ft BUR)
2,300.2	2,295.9	62.6	2.2	EOB TO 12° INC
3,362.8	3,335.1	283.5	9.7	END OF TANGENT
3,963.0	3,931.0	346.1	11.9	EOD TO VERTICAL
7,029.0	6,997.0	346.1	11.9	KOP (10°/100ft BUR)
7,929.1	7,570.0	-226.9	11.2	LANDING PNT - SELTZER 3
12,077.9	7,570.0	-4,375.8	6.4	BHL - SELTZER 3