

EXTRACTION OIL & GAS

WELD COUNTY, COLORADO (NAD 83)

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

SELTZER 10

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 10
Wellbore: ORIGINAL WELLBORE
Design: PROPOSAL #1

ANNOTATIONS

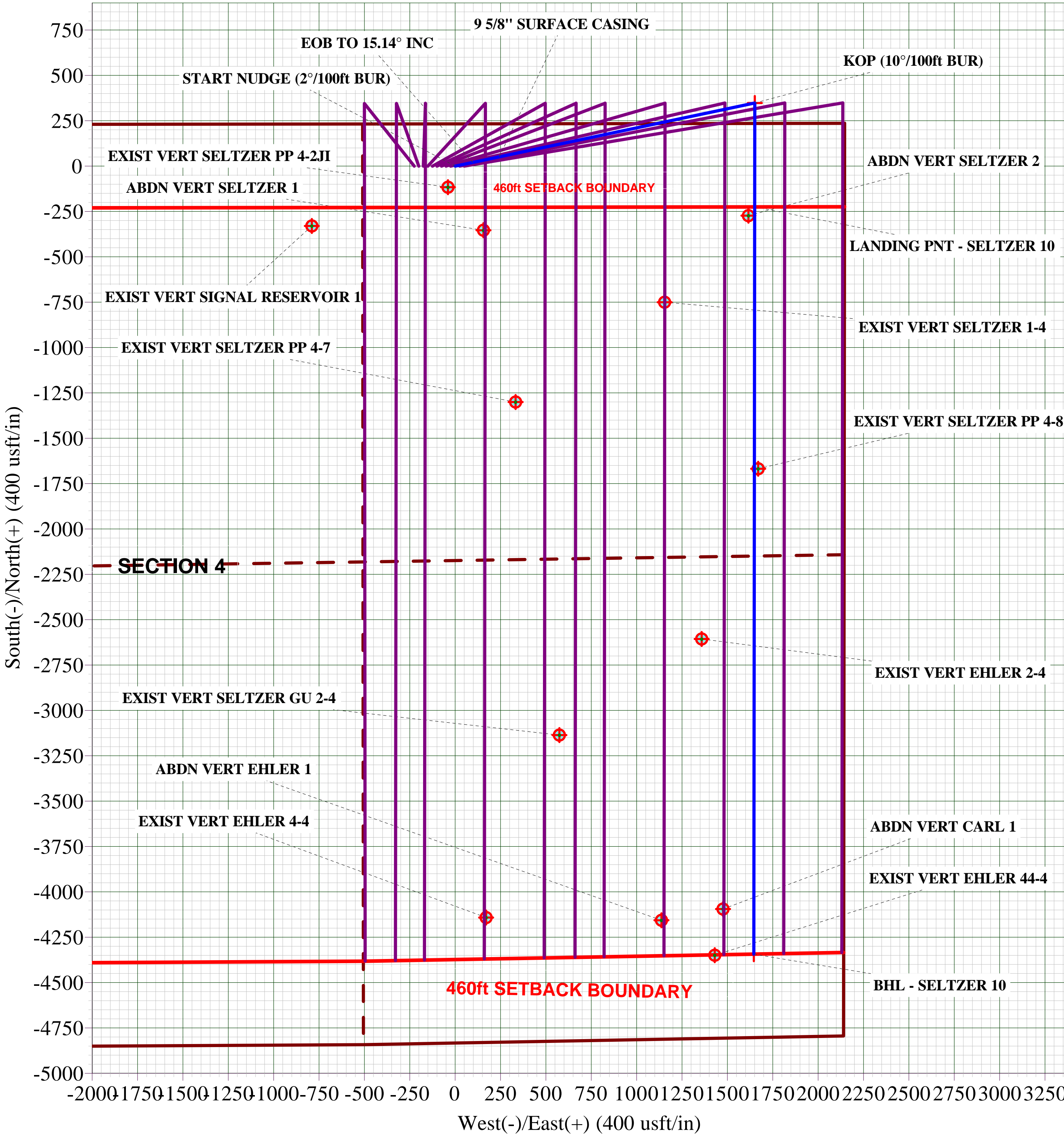
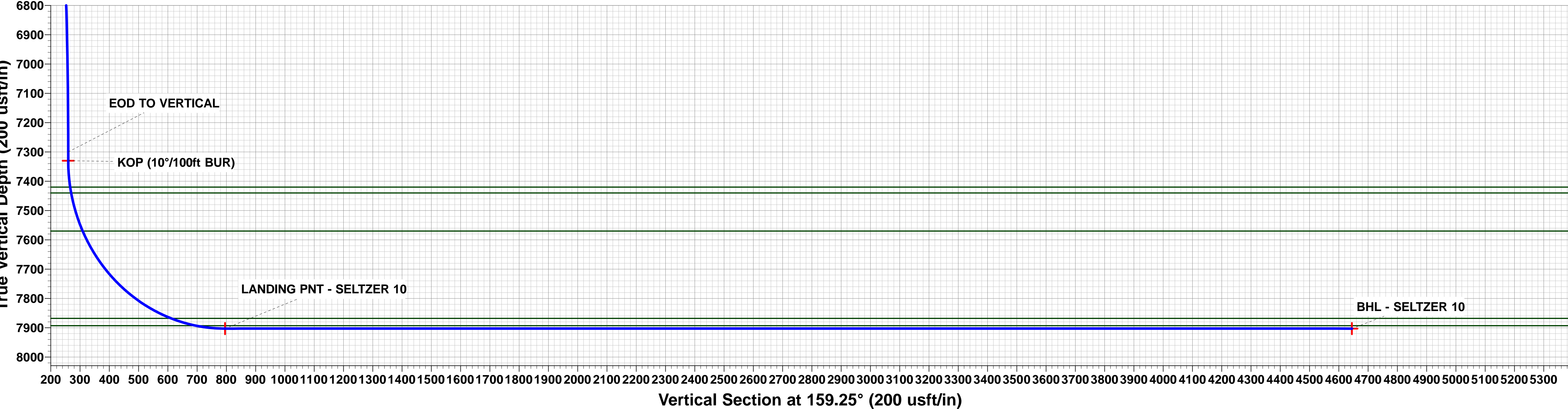
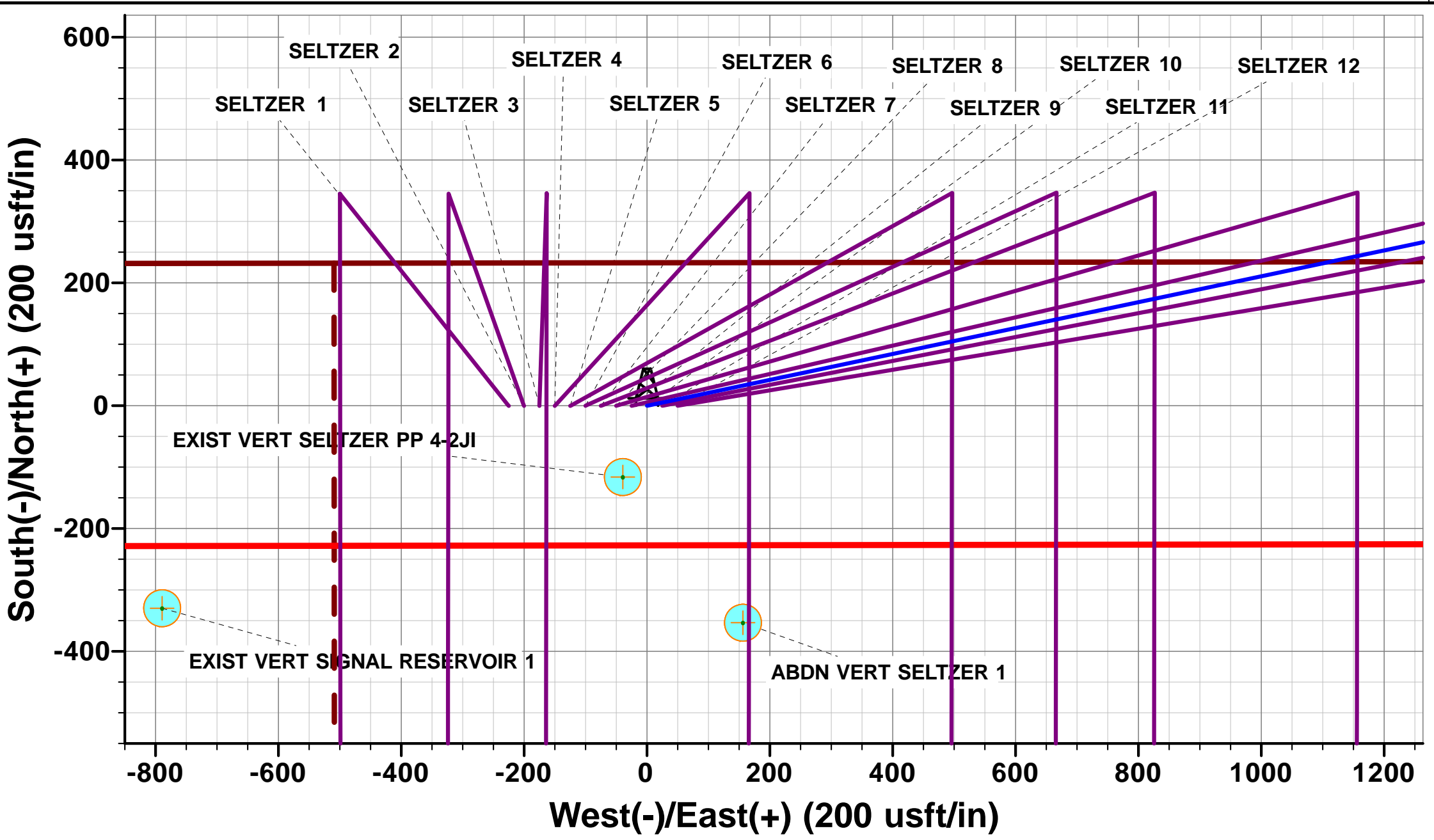
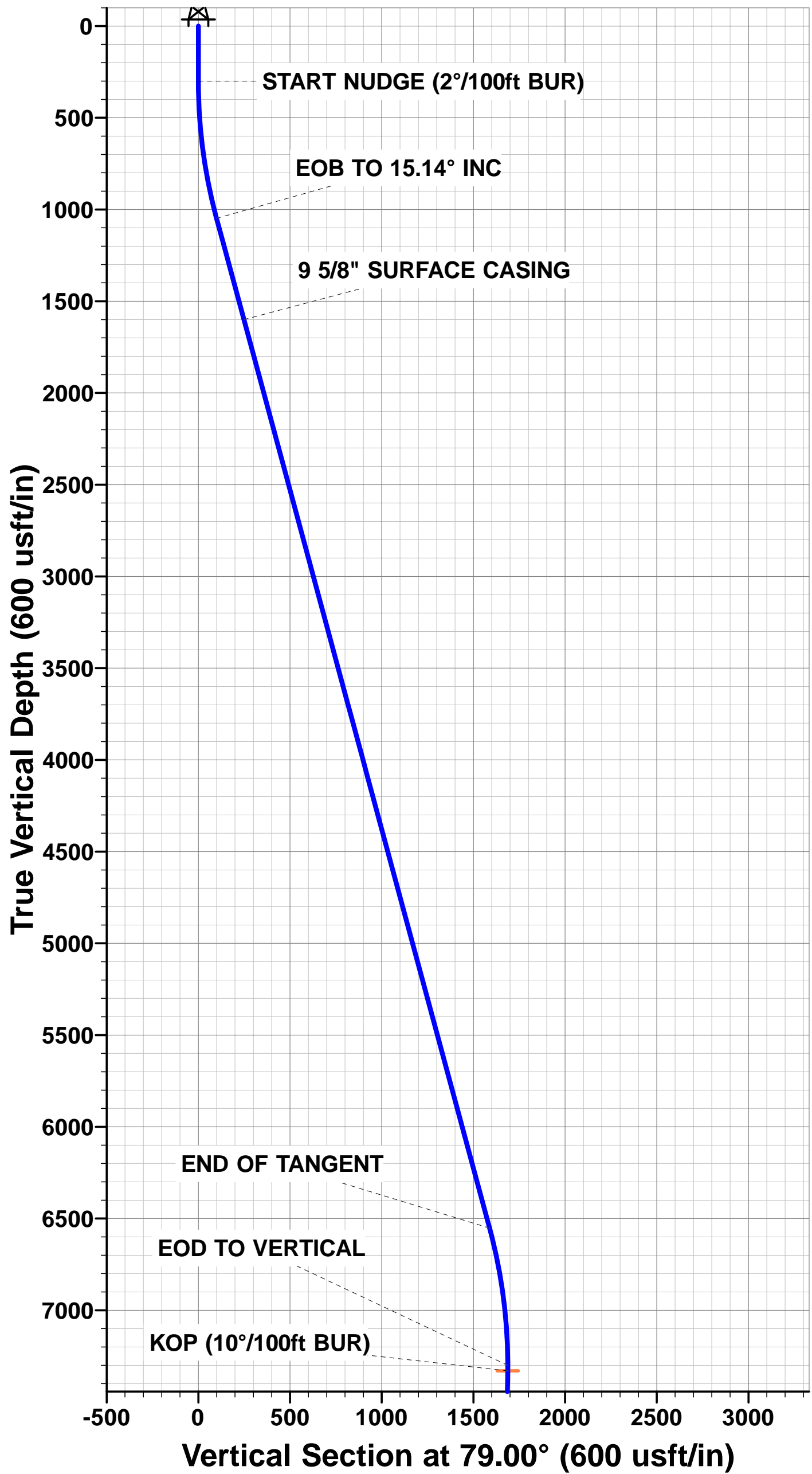
TVD	MD	Inc	Azi	+N/-S	+E/-W	VSect	Dep	Annotation
300.0	300.0	0.00	0.00	0.0	0.0	0.0	0.0	START NUDGE (2°/100ft BUR)
1048.1	1056.9	15.14	78.10	20.5	97.3	15.3	99.4	EOB TO 15.14° INC
1600.0	1628.6	15.14	78.10	51.3	243.4	38.3	248.7	9 5/8" SURFACE CASING
6551.9	6758.5	15.14	78.10	327.5	1554.1	244.4	1588.3	END OF TANGENT
7300.0	7515.4	0.00	0.00	348.0	1651.4	259.7	1687.7	EOD TO VERTICAL
7330.0	7545.4	0.00	0.00	348.0	1651.4	259.7	1687.7	KOP (10°/100ft BUR)
7903.0	8445.5	90.00	180.07	-225.0	1650.7	795.3	2260.7	LANDING PNT - SELTZER 10
7903.0	12563.7	90.00	180.07	-4343.3	1645.7	4644.6	6379.0	BHL - SELTZER 10

PROPOSED LOCAL COORDINATES:

SHL: 233ft FNL & 2147ft FEL Sec 4
LANDING PNT: 460ft FNL & 495ft FEL Sec 4
BHL: 460ft FSL & 495ft FEL Sec 4

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude
KOP - SELTZER 10	7330.0	348.0	1651.4	40.000674	-104.886156
LANDING PNT - SELTZER 10	7903.0	-225.0	1650.7	39.999101	-104.886158
BHL - SELTZER 10	7903.0	-4343.3	1645.7	39.987796	-104.886177



Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well SELTZER 10
Company:	EXTRACTION OIL & GAS	TVD Reference:	KB-EST @ 5097.0usft (Original Well Elev)
Project:	WELD COUNTY, COLORADO (NAD 83)	MD Reference:	KB-EST @ 5097.0usft (Original Well Elev)
Site:	NW NE SEC. 4 T1S R67W 6th P.M.	North Reference:	True
Well:	SELTZER 10	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 10		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	-49.9 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	39.999719
		Longitude:	-104.892050
		Ground Level:	5,081.0 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 (°)
	0.0	0.0	0.0	159.25

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	-5,097.0	0.0	0.0	0.00	0.00	0.00	0.00	
300.0	0.00	0.00	300.0	-4,797.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,056.9	15.14	78.10	1,048.1	-4,048.9	20.5	97.3	2.00	2.00	0.00	78.10	
6,758.5	15.14	78.10	6,551.9	1,454.9	327.5	1,554.1	0.00	0.00	0.00	0.00	
7,515.4	0.00	0.00	7,300.0	2,203.0	348.0	1,651.4	2.00	-2.00	0.00	180.00	
7,545.4	0.00	0.00	7,330.0	2,233.0	348.0	1,651.4	0.00	0.00	0.00	0.00	KOP - SELTZER 10
8,445.5	90.00	180.07	7,903.0	2,806.0	-225.0	1,650.7	10.00	10.00	-19.99	180.07	LANDING PNT - SE
12,563.7	90.00	180.07	7,903.0	2,806.0	-4,343.3	1,645.7	0.00	0.00	0.00	137.48	BHL - SELTZER 10

Planning Report



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Project:	WELD COUNTY, COLORADO (NAD 83)	MD Reference:	KB-EST @ 5097.0usft (Original Well Elev)
Site:	NW NE SEC. 4 T1S R67W 6th P.M.	North Reference:	True
Well:	SELTZER 10	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	5,097.00	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	4,997.00	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	4,897.00	0.0	0.0	0.0	0.00	0.00	0.00
START NUDGE (2°/100ft BUR)										
300.0	0.00	0.00	300.0	4,797.00	0.0	0.0	0.0	0.00	0.00	0.00
400.0	2.00	78.10	400.0	4,697.02	0.4	1.7	0.3	2.00	2.00	0.00
500.0	4.00	78.10	499.8	4,597.16	1.4	6.8	1.1	2.00	2.00	0.00
600.0	6.00	78.10	599.5	4,497.55	3.2	15.4	2.4	2.00	2.00	0.00
700.0	8.00	78.10	698.7	4,398.30	5.7	27.3	4.3	2.00	2.00	0.00
800.0	10.00	78.10	797.5	4,299.53	9.0	42.6	6.7	2.00	2.00	0.00
900.0	12.00	78.10	895.6	4,201.38	12.9	61.3	9.6	2.00	2.00	0.00
1,000.0	14.00	78.10	993.1	4,103.94	17.5	83.3	13.1	2.00	2.00	0.00
EOB TO 15.14° INC										
1,056.9	15.14	78.10	1,048.1	4,048.92	20.5	97.3	15.3	2.00	2.00	0.00
1,100.0	15.14	78.10	1,089.7	4,007.27	22.8	108.3	17.0	0.00	0.00	0.00
1,200.0	15.14	78.10	1,186.3	3,910.74	28.2	133.8	21.0	0.00	0.00	0.00
1,300.0	15.14	78.10	1,282.8	3,814.21	33.6	159.4	25.1	0.00	0.00	0.00
1,400.0	15.14	78.10	1,379.3	3,717.68	39.0	184.9	29.1	0.00	0.00	0.00
1,500.0	15.14	78.10	1,475.9	3,621.15	44.4	210.5	33.1	0.00	0.00	0.00
1,600.0	15.14	78.10	1,572.4	3,524.62	49.7	236.0	37.1	0.00	0.00	0.00
9 5/8" SURFACE CASING										
1,628.6	15.14	78.10	1,600.0	3,497.00	51.3	243.4	38.3	0.00	0.00	0.00
1,700.0	15.14	78.10	1,668.9	3,428.09	55.1	261.6	41.1	0.00	0.00	0.00
1,800.0	15.14	78.10	1,765.4	3,331.56	60.5	287.1	45.2	0.00	0.00	0.00
1,900.0	15.14	78.10	1,862.0	3,235.03	65.9	312.7	49.2	0.00	0.00	0.00
2,000.0	15.14	78.10	1,958.5	3,138.50	71.3	338.3	53.2	0.00	0.00	0.00
2,100.0	15.14	78.10	2,055.0	3,041.97	76.7	363.8	57.2	0.00	0.00	0.00
2,200.0	15.14	78.10	2,151.6	2,945.44	82.0	389.4	61.2	0.00	0.00	0.00
2,300.0	15.14	78.10	2,248.1	2,848.91	87.4	414.9	65.2	0.00	0.00	0.00
2,400.0	15.14	78.10	2,344.6	2,752.38	92.8	440.5	69.3	0.00	0.00	0.00
2,500.0	15.14	78.10	2,441.2	2,655.85	98.2	466.0	73.3	0.00	0.00	0.00
2,600.0	15.14	78.10	2,537.7	2,559.32	103.6	491.6	77.3	0.00	0.00	0.00
2,700.0	15.14	78.10	2,634.2	2,462.78	109.0	517.1	81.3	0.00	0.00	0.00
2,800.0	15.14	78.10	2,730.7	2,366.25	114.4	542.7	85.3	0.00	0.00	0.00
2,900.0	15.14	78.10	2,827.3	2,269.72	119.7	568.2	89.4	0.00	0.00	0.00
3,000.0	15.14	78.10	2,923.8	2,173.19	125.1	593.8	93.4	0.00	0.00	0.00
3,100.0	15.14	78.10	3,020.3	2,076.66	130.5	619.3	97.4	0.00	0.00	0.00
3,200.0	15.14	78.10	3,116.9	1,980.13	135.9	644.9	101.4	0.00	0.00	0.00
3,300.0	15.14	78.10	3,213.4	1,883.60	141.3	670.4	105.4	0.00	0.00	0.00
3,400.0	15.14	78.10	3,309.9	1,787.07	146.7	696.0	109.5	0.00	0.00	0.00
3,500.0	15.14	78.10	3,406.5	1,690.54	152.0	721.5	113.5	0.00	0.00	0.00
3,600.0	15.14	78.10	3,503.0	1,594.01	157.4	747.1	117.5	0.00	0.00	0.00
3,700.0	15.14	78.10	3,599.5	1,497.48	162.8	772.6	121.5	0.00	0.00	0.00
3,800.0	15.14	78.10	3,696.0	1,400.95	168.2	798.2	125.5	0.00	0.00	0.00
3,900.0	15.14	78.10	3,792.6	1,304.42	173.6	823.7	129.5	0.00	0.00	0.00
4,000.0	15.14	78.10	3,889.1	1,207.89	179.0	849.3	133.6	0.00	0.00	0.00
4,100.0	15.14	78.10	3,985.6	1,111.36	184.4	874.8	137.6	0.00	0.00	0.00
4,200.0	15.14	78.10	4,082.2	1,014.83	189.7	900.4	141.6	0.00	0.00	0.00
PARKMAN										
4,249.5	15.14	78.10	4,130.0	967.00	192.4	913.1	143.6	0.00	0.00	0.00
4,300.0	15.14	78.10	4,178.7	918.30	195.1	925.9	145.6	0.00	0.00	0.00
4,400.0	15.14	78.10	4,275.2	821.77	200.5	951.5	149.6	0.00	0.00	0.00
4,500.0	15.14	78.10	4,371.8	725.24	205.9	977.0	153.7	0.00	0.00	0.00
4,600.0	15.14	78.10	4,468.3	628.71	211.3	1,002.6	157.7	0.00	0.00	0.00

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Well:	SELTZER 10	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)
4,700.0	15.14	78.10	4,564.8	532.18	216.7	1,028.2	161.7	0.00	0.00	0.00
4,800.0	15.14	78.10	4,661.4	435.65	222.0	1,053.7	165.7	0.00	0.00	0.00
4,900.0	15.14	78.10	4,757.9	339.12	227.4	1,079.3	169.7	0.00	0.00	0.00
5,000.0	15.14	78.10	4,854.4	242.59	232.8	1,104.8	173.7	0.00	0.00	0.00
5,100.0	15.14	78.10	4,950.9	146.06	238.2	1,130.4	177.8	0.00	0.00	0.00
SUSSEX										
5,119.7	15.14	78.10	4,970.0	127.00	239.3	1,135.4	178.6	0.00	0.00	0.00
5,200.0	15.14	78.10	5,047.5	49.53	243.6	1,155.9	181.8	0.00	0.00	0.00
5,300.0	15.14	78.10	5,144.0	-47.00	249.0	1,181.5	185.8	0.00	0.00	0.00
5,400.0	15.14	78.10	5,240.5	-143.54	254.4	1,207.0	189.8	0.00	0.00	0.00
5,500.0	15.14	78.10	5,337.1	-240.07	259.7	1,232.6	193.8	0.00	0.00	0.00
5,600.0	15.14	78.10	5,433.6	-336.60	265.1	1,258.1	197.9	0.00	0.00	0.00
5,700.0	15.14	78.10	5,530.1	-433.13	270.5	1,283.7	201.9	0.00	0.00	0.00
5,800.0	15.14	78.10	5,626.7	-529.66	275.9	1,309.2	205.9	0.00	0.00	0.00
5,900.0	15.14	78.10	5,723.2	-626.19	281.3	1,334.8	209.9	0.00	0.00	0.00
6,000.0	15.14	78.10	5,819.7	-722.72	286.7	1,360.3	213.9	0.00	0.00	0.00
6,100.0	15.14	78.10	5,916.2	-819.25	292.0	1,385.9	217.9	0.00	0.00	0.00
6,200.0	15.14	78.10	6,012.8	-915.78	297.4	1,411.4	222.0	0.00	0.00	0.00
6,300.0	15.14	78.10	6,109.3	-1,012.31	302.8	1,437.0	226.0	0.00	0.00	0.00
6,400.0	15.14	78.10	6,205.8	-1,108.84	308.2	1,462.5	230.0	0.00	0.00	0.00
SHANNON										
6,476.8	15.14	78.10	6,280.0	-1,183.00	312.3	1,482.2	233.1	0.00	0.00	0.00
6,500.0	15.14	78.10	6,302.4	-1,205.37	313.6	1,488.1	234.0	0.00	0.00	0.00
6,600.0	15.14	78.10	6,398.9	-1,301.90	319.0	1,513.6	238.0	0.00	0.00	0.00
6,700.0	15.14	78.10	6,495.4	-1,398.43	324.4	1,539.2	242.1	0.00	0.00	0.00
END OF TANGENT										
6,758.5	15.14	78.10	6,551.9	-1,454.92	327.5	1,554.1	244.4	0.00	0.00	0.00
6,800.0	14.31	78.10	6,592.0	-1,495.04	329.7	1,564.5	246.0	2.00	-2.00	0.00
6,900.0	12.31	78.10	6,689.3	-1,592.35	334.4	1,587.0	249.6	2.00	-2.00	0.00
7,000.0	10.31	78.10	6,787.4	-1,690.40	338.5	1,606.2	252.6	2.00	-2.00	0.00
7,100.0	8.31	78.10	6,886.1	-1,789.08	341.8	1,622.0	255.1	2.00	-2.00	0.00
7,200.0	6.31	78.10	6,985.3	-1,888.26	344.4	1,634.4	257.0	2.00	-2.00	0.00
7,300.0	4.31	78.10	7,084.8	-1,987.83	346.3	1,643.5	258.5	2.00	-2.00	0.00
7,400.0	2.31	78.10	7,184.7	-2,087.66	347.5	1,649.1	259.3	2.00	-2.00	0.00
7,500.0	0.31	78.10	7,284.6	-2,187.63	348.0	1,651.4	259.7	2.00	-2.00	0.00
EOD TO VERTICAL										
7,515.4	0.00	0.00	7,300.0	-2,203.00	348.0	1,651.4	259.7	2.00	-2.00	0.00
KOP (10°/100ft BUR)										
7,545.4	0.00	0.00	7,330.0	-2,233.00	348.0	1,651.4	259.7	0.00	0.00	0.00
7,600.0	5.46	180.07	7,384.5	-2,287.54	345.4	1,651.4	262.1	10.00	10.00	0.00
SHARON SPRINGS										
7,635.7	9.04	180.07	7,420.0	-2,323.00	340.9	1,651.4	266.4	10.00	10.00	0.00
NIOBRARA										
7,656.1	11.07	180.07	7,440.0	-2,343.00	337.3	1,651.4	269.7	10.00	10.00	0.00
7,700.0	15.46	180.07	7,482.8	-2,385.76	327.3	1,651.4	279.1	10.00	10.00	0.00
NIO B										
7,793.0	24.76	180.07	7,570.0	-2,473.00	295.3	1,651.3	308.9	10.00	10.00	0.00
7,800.0	25.46	180.07	7,576.3	-2,479.33	292.4	1,651.3	311.7	10.00	10.00	0.00
7,900.0	35.46	180.07	7,662.4	-2,565.42	241.7	1,651.3	359.0	10.00	10.00	0.00
8,000.0	45.46	180.07	7,738.4	-2,641.41	176.9	1,651.2	419.6	10.00	10.00	0.00
8,100.0	55.46	180.07	7,802.0	-2,704.99	99.9	1,651.1	491.6	10.00	10.00	0.00
8,200.0	65.46	180.07	7,851.2	-2,754.23	13.0	1,651.0	572.8	10.00	10.00	0.00
FORT HAYES										

Planning Report



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Well:	SELTZER 10	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)
8,244.1	69.87	180.07	7,868.0	-2,771.00	-27.8	1,651.0	611.0	10.00	10.00	0.00
8,300.0	75.46	180.07	7,884.6	-2,787.64	-81.1	1,650.9	660.8	10.00	10.00	0.00
CODELL										
8,338.2	79.28	180.07	7,893.0	-2,796.00	-118.4	1,650.9	695.7	10.00	10.00	0.00
8,400.0	85.46	180.07	7,901.2	-2,804.20	-179.6	1,650.8	752.9	10.00	10.00	0.00
LANDING PNT - SELTZER 10										
8,445.5	90.00	180.07	7,903.0	-2,806.00	-225.0	1,650.7	795.3	10.00	10.00	0.00
8,500.0	90.00	180.07	7,903.0	-2,806.00	-279.6	1,650.7	846.3	0.00	0.00	0.00
8,600.0	90.00	180.07	7,903.0	-2,805.99	-379.6	1,650.6	939.8	0.00	0.00	0.00
8,700.0	90.00	180.07	7,903.0	-2,805.98	-479.6	1,650.4	1,033.2	0.00	0.00	0.00
8,800.0	90.00	180.07	7,903.0	-2,805.97	-579.6	1,650.3	1,126.7	0.00	0.00	0.00
8,900.0	90.00	180.07	7,903.0	-2,805.97	-679.6	1,650.2	1,220.2	0.00	0.00	0.00
9,000.0	90.00	180.07	7,903.0	-2,805.96	-779.6	1,650.1	1,313.6	0.00	0.00	0.00
9,100.0	90.00	180.07	7,903.0	-2,805.95	-879.6	1,650.0	1,407.1	0.00	0.00	0.00
9,200.0	90.00	180.07	7,902.9	-2,805.95	-979.6	1,649.9	1,500.6	0.00	0.00	0.00
9,300.0	90.00	180.07	7,902.9	-2,805.94	-1,079.6	1,649.7	1,594.1	0.00	0.00	0.00
9,400.0	90.00	180.07	7,902.9	-2,805.94	-1,179.6	1,649.6	1,687.5	0.00	0.00	0.00
9,500.0	90.00	180.07	7,902.9	-2,805.93	-1,279.6	1,649.5	1,781.0	0.00	0.00	0.00
9,600.0	90.00	180.07	7,902.9	-2,805.93	-1,379.6	1,649.4	1,874.5	0.00	0.00	0.00
9,700.0	90.00	180.07	7,902.9	-2,805.93	-1,479.6	1,649.3	1,967.9	0.00	0.00	0.00
9,800.0	90.00	180.07	7,902.9	-2,805.92	-1,579.6	1,649.2	2,061.4	0.00	0.00	0.00
9,900.0	90.00	180.07	7,902.9	-2,805.92	-1,679.6	1,649.0	2,154.9	0.00	0.00	0.00
10,000.0	90.00	180.07	7,902.9	-2,805.92	-1,779.6	1,648.9	2,248.4	0.00	0.00	0.00
10,100.0	90.00	180.07	7,902.9	-2,805.92	-1,879.6	1,648.8	2,341.8	0.00	0.00	0.00
10,200.0	90.00	180.07	7,902.9	-2,805.91	-1,979.6	1,648.7	2,435.3	0.00	0.00	0.00
10,300.0	90.00	180.07	7,902.9	-2,805.91	-2,079.6	1,648.5	2,528.8	0.00	0.00	0.00
10,400.0	90.00	180.07	7,902.9	-2,805.91	-2,179.6	1,648.4	2,622.2	0.00	0.00	0.00
10,500.0	90.00	180.07	7,902.9	-2,805.91	-2,279.6	1,648.3	2,715.7	0.00	0.00	0.00
10,600.0	90.00	180.07	7,902.9	-2,805.91	-2,379.6	1,648.2	2,809.2	0.00	0.00	0.00
10,700.0	90.00	180.07	7,902.9	-2,805.91	-2,479.6	1,648.1	2,902.6	0.00	0.00	0.00
10,800.0	90.00	180.07	7,902.9	-2,805.91	-2,579.6	1,647.9	2,996.1	0.00	0.00	0.00
10,900.0	90.00	180.07	7,902.9	-2,805.92	-2,679.6	1,647.8	3,089.6	0.00	0.00	0.00
11,000.0	90.00	180.07	7,902.9	-2,805.92	-2,779.6	1,647.7	3,183.0	0.00	0.00	0.00
11,100.0	90.00	180.07	7,902.9	-2,805.92	-2,879.6	1,647.6	3,276.5	0.00	0.00	0.00
11,200.0	90.00	180.07	7,902.9	-2,805.92	-2,979.6	1,647.4	3,370.0	0.00	0.00	0.00
11,300.0	90.00	180.07	7,902.9	-2,805.93	-3,079.6	1,647.3	3,463.4	0.00	0.00	0.00
11,400.0	90.00	180.07	7,902.9	-2,805.93	-3,179.6	1,647.2	3,556.9	0.00	0.00	0.00
11,500.0	90.00	180.07	7,902.9	-2,805.93	-3,279.6	1,647.1	3,650.4	0.00	0.00	0.00
11,600.0	90.00	180.07	7,902.9	-2,805.94	-3,379.6	1,646.9	3,743.8	0.00	0.00	0.00
11,700.0	90.00	180.07	7,902.9	-2,805.94	-3,479.6	1,646.8	3,837.3	0.00	0.00	0.00
11,800.0	90.00	180.07	7,902.9	-2,805.95	-3,579.6	1,646.7	3,930.8	0.00	0.00	0.00
11,900.0	90.00	180.07	7,903.0	-2,805.95	-3,679.6	1,646.5	4,024.2	0.00	0.00	0.00
12,000.0	90.00	180.07	7,903.0	-2,805.96	-3,779.6	1,646.4	4,117.7	0.00	0.00	0.00
12,100.0	90.00	180.07	7,903.0	-2,805.96	-3,879.6	1,646.3	4,211.2	0.00	0.00	0.00
12,200.0	90.00	180.07	7,903.0	-2,805.97	-3,979.6	1,646.2	4,304.6	0.00	0.00	0.00
12,300.0	90.00	180.07	7,903.0	-2,805.98	-4,079.6	1,646.0	4,398.1	0.00	0.00	0.00
12,400.0	90.00	180.07	7,903.0	-2,805.99	-4,179.6	1,645.9	4,491.6	0.00	0.00	0.00
12,500.0	90.00	180.07	7,903.0	-2,805.99	-4,279.6	1,645.8	4,585.0	0.00	0.00	0.00
BHL - SELTZER 10										
12,563.7	90.00	180.07	7,903.0	-2,806.00	-4,343.3	1,645.7	4,644.6	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well SELTZER 10
Company:	EXTRACTION OIL & GAS	TVD Reference:	KB-EST @ 5097.0usft (Original Well Elev)
Project:	WELD COUNTY, COLORADO (NAD 83)	MD Reference:	KB-EST @ 5097.0usft (Original Well Elev)
Site:	NW NE SEC. 4 T1S R67W 6th P.M.	North Reference:	True
Well:	SELTZER 10	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #1		

Formations					
MD (usft)	TVD (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
4,249.5	4,130.0	PARKMAN			
5,119.7	4,970.0	SUSSEX			
6,476.8	6,280.0	SHANNON			
7,635.7	7,420.0	SHARON SPRINGS			
7,656.1	7,440.0	NIOBRARA			
7,793.0	7,570.0	NIO B			
8,244.1	7,868.0	FORT HAYES			
8,338.2	7,893.0	CODELL			

Plan Annotations				
MD (usft)	TVD (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
300.0	300.0	0.0	0.0	START NUDGE (2°/100ft BUR)
1,056.9	1,048.1	20.5	97.3	EOB TO 15.14° INC
1,628.6	1,600.0	51.3	243.4	9 5/8" SURFACE CASING
6,758.5	6,551.9	327.5	1,554.1	END OF TANGENT
7,515.4	7,300.0	348.0	1,651.4	EOD TO VERTICAL
7,545.4	7,330.0	348.0	1,651.4	KOP (10°/100ft BUR)
8,445.5	7,903.0	-225.0	1,650.7	LANDING PNT - SELTZER 10
12,563.7	7,903.0	-4,343.3	1,645.7	BHL - SELTZER 10